

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070218\
 Data File : VX003139.D
 Acq On : 02 Jul 2018 20:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 7/3/2018 3:54:09 PM

Quant Time: Jul 03 08:00:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	286958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	398588	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	239178	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	181801	45.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.68%	
35) Dibromofluoromethane	5.51	113	153907	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	8.72	98	548791	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	11.14	95	213279	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	141560	55.28	ug/l	99
3) Chloromethane	1.32	50	146153	55.06	ug/l	99
4) Vinyl Chloride	1.40	62	166363	51.26	ug/l	99
5) Bromomethane	1.64	94	52256	33.60	ug/l	98
6) Chloroethane	1.72	64	103132	54.35	ug/l	99
7) Trichlorofluoromethane	1.93	101	254824	46.55	ug/l	98
8) Diethyl Ether	2.19	74	96098	48.29	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	145971	46.02	ug/l	97
10) Methyl Iodide	2.51	142	151989	47.59	ug/l	98
11) Tert butyl alcohol	3.09	59	170966	216.38	ug/l	100
12) 1,1-Dichloroethene	2.37	96	136554	48.25	ug/l	93
13) Acrolein	2.30	56	61282	141.76	ug/l	100
14) Allyl chloride	2.73	41	261526	46.88	ug/l	95
15) Acrylonitrile	3.15	53	407810	241.64	ug/l	99
16) Acetone	2.45	43	366275	222.99	ug/l	97
17) Carbon Disulfide	2.57	76	380197	50.42	ug/l	100
18) Methyl Acetate	2.78	43	195333	42.53	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	477680	46.95	ug/l	99
20) Methylene Chloride	2.86	84	157272	49.20	ug/l	93
21) trans-1,2-Dichloroethene	3.17	96	147846	47.96	ug/l	93
22) Diisopropyl ether	3.88	45	504086	47.27	ug/l	99
23) Vinyl Acetate	3.83	43	2207464	244.47	ug/l	98
24) 1,1-Dichloroethane	3.70	63	277464	47.87	ug/l	99
25) 2-Butanone	4.72	43	605101	248.22	ug/l	95
26) 2,2-Dichloropropane	4.59	77	169121	35.88	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	170512	49.34	ug/l	94
28) Bromochloromethane	5.03	49	130997	47.22	ug/l	91
29) Tetrahydrofuran	5.18	42	393036	251.42	ug/l	97
30) Chloroform	5.22	83	291971	49.09	ug/l	98
31) Cyclohexane	5.57	56	252228	50.71	ug/l	96
32) 1,1,1-Trichloroethane	5.50	97	260296	49.74	ug/l	98
36) 1,1-Dichloropropene	5.80	75	215639	49.33	ug/l	98
37) Ethyl Acetate	4.87	43	240390	51.08	ug/l	99
38) Carbon Tetrachloride	5.79	117	236461	49.30	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070218\
 Data File : VX003139.D
 Acq On : 02 Jul 2018 20:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

sam
 7/3/2018 3:54:09 PM

Quant Time: Jul 03 08:00:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	248269	48.76	ug/l	97
40) Benzene	6.15	78	639408	50.35	ug/l	99
41) Methacrylonitrile	5.07	41	134881	49.77	ug/l	97
42) 1,2-Dichloroethane	6.20	62	237604	46.31	ug/l	98
43) Isopropyl Acetate	6.48	43	386319	48.94	ug/l	98
44) Trichloroethene	7.21	130	186800	49.33	ug/l	99
45) 1,2-Dichloropropane	7.52	63	162484	48.23	ug/l	99
46) Dibromomethane	7.67	93	112906	48.29	ug/l	94
47) Bromodichloromethane	7.90	83	218681	50.59	ug/l	99
48) Methyl methacrylate	7.79	41	200876	49.39	ug/l	95
49) 1,4-Dioxane	7.76	88	71870	908.30	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	1231335	249.34	ug/l	97
52) Toluene	8.79	92	409594	50.34	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	248918	50.85	ug/l	99
54) cis-1,3-Dichloropropene	9.05	75	232367	49.34	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	168116	50.29	ug/l	97
56) Ethyl methacrylate	9.19	69	258265	52.86	ug/l	93
57) 1,3-Dichloropropane	9.38	76	273129	49.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	582984	247.31	ug/l	97
59) 2-Hexanone	9.50	43	933868	248.82	ug/l	96
60) Dibromochloromethane	9.59	129	183990	52.28	ug/l	100
61) 1,2-Dibromoethane	9.68	107	180156	51.37	ug/l	100
64) Tetrachloroethene	9.34	164	216240	51.63	ug/l	99
65) Chlorobenzene	10.14	112	472946	49.43	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	176209	50.70	ug/l	99
67) Ethyl Benzene	10.26	91	798162	50.50	ug/l	100
68) m/p-Xylenes	10.37	106	630939	103.58	ug/l	96
69) o-Xylene	10.70	106	304593	51.35	ug/l	98
70) Styrene	10.71	104	511763	53.10	ug/l	98
71) Bromoform	10.86	173	147727	47.27	ug/l	99
73) Isopropylbenzene	11.02	105	823655	51.19	ug/l	99
74) N-amyl acetate	6.48	43	386319	49.07	ug/l #	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	250565	50.55	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	246753m	56.96	ug/l	
77) Bromobenzene	11.26	156	230409	50.28	ug/l	96
78) n-propylbenzene	11.37	91	927299	50.63	ug/l	99
79) 2-Chlorotoluene	11.43	91	549254	49.53	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	689369	50.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	64641	43.74	ug/l	98
82) 4-Chlorotoluene	11.51	91	648781	49.42	ug/l	98
83) tert-Butylbenzene	11.77	119	670963	50.24	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	715099	50.93	ug/l	98
85) sec-Butylbenzene	11.95	105	809419	49.96	ug/l	99
86) p-Isopropyltoluene	12.07	119	735615	50.50	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	417251	49.86	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	417346	48.46	ug/l	99
89) n-Butylbenzene	12.39	91	609842	48.10	ug/l	99
90) Hexachloroethane	12.60	117	117223	54.10	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	419603	49.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.01	75	58165	52.20	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070218\
Data File : VX003139.D
Acq On : 02 Jul 2018 20:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM

Quant Time: Jul 03 08:00:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	307966	50.10	ug/l	100
94) Hexachlorobutadiene	13.79	225	146819	47.89	ug/l	99
95) Naphthalene	13.83	128	878061	53.63	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	315347	51.36	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

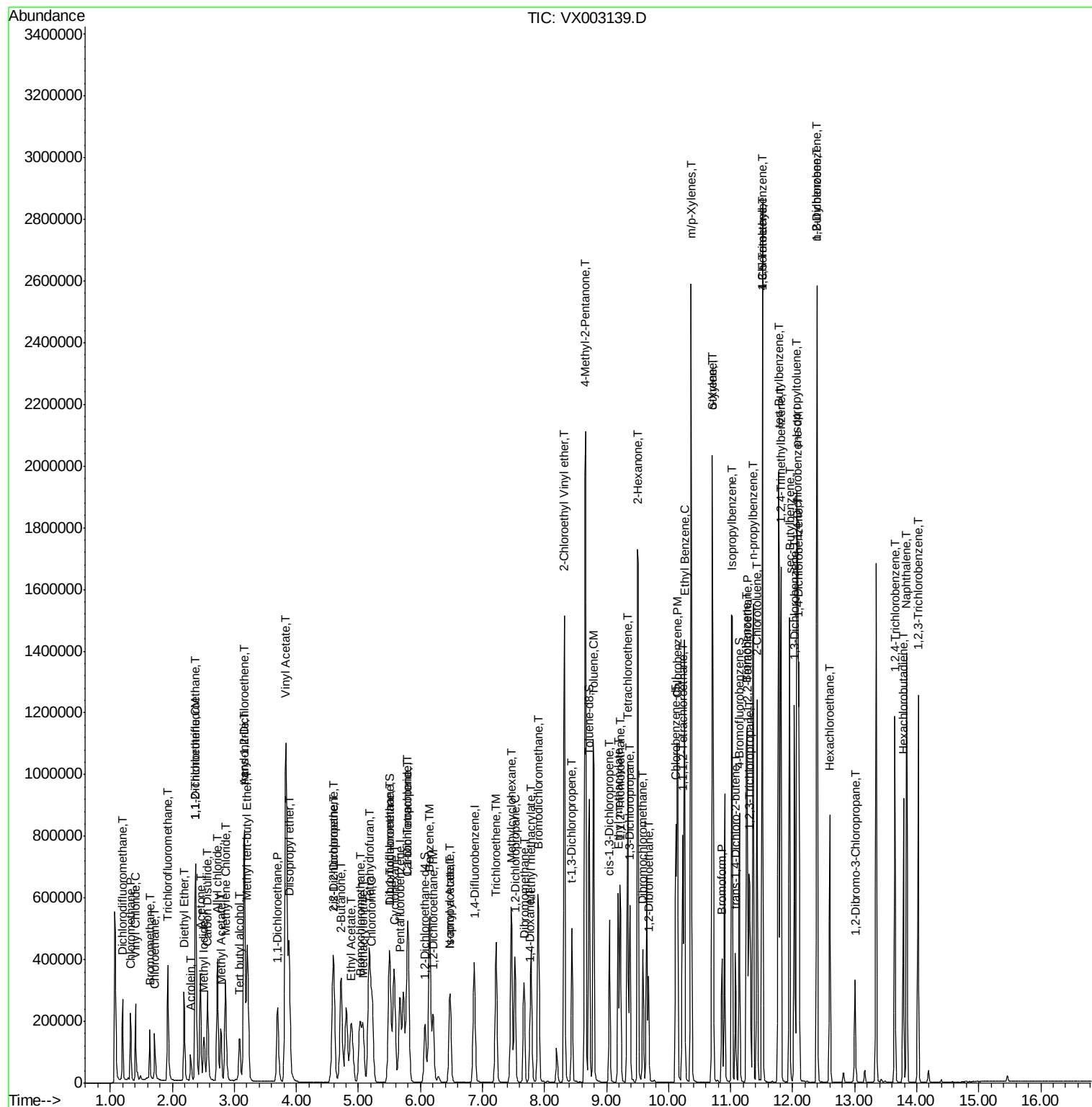
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX070218\
Data File : VX003139.D
Acq On : 02 Jul 2018 20:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

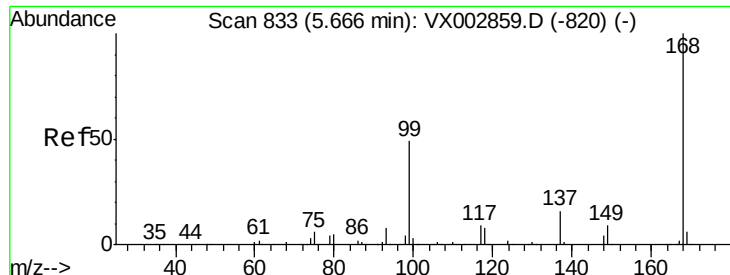
Instrument :
MSVOA_X
Client Sample ID :
VSTDCCC050EC

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM

Quant Time: Jul 03 08:00:39 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 286958

Ion Ratio Lower Upper

168 100

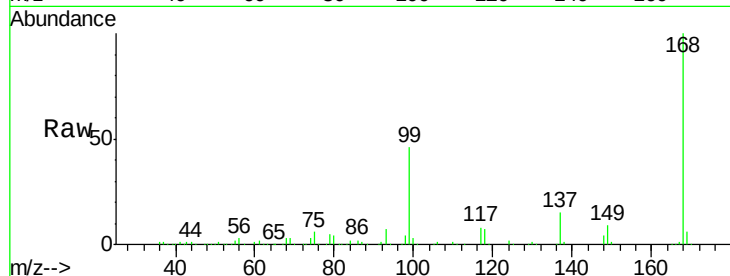
99 45.5 39.3 58.9

Manual Integrations

APPROVED

sam

7/3/2018 3:54:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

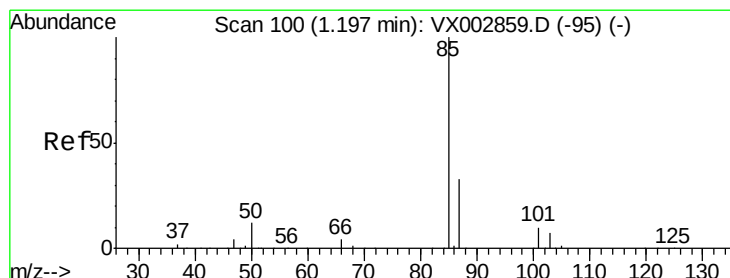
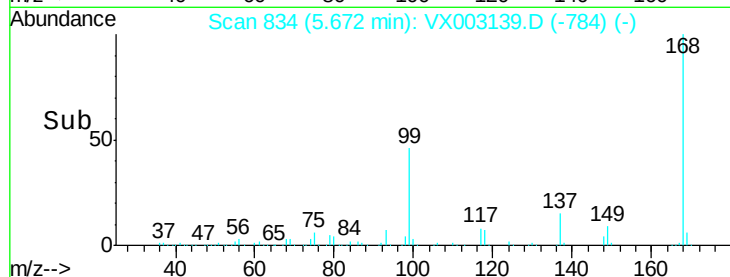
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 55.28 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003139.D

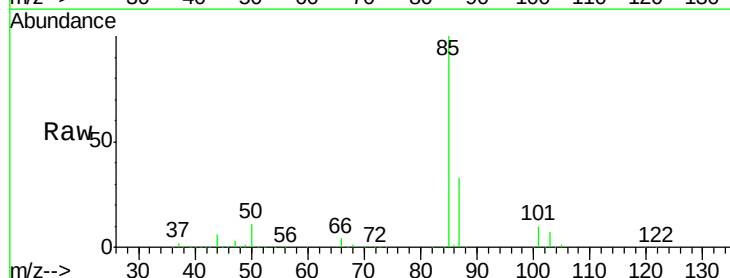
Acq: 02 Jul 2018 20:38

Tgt Ion: 85 Resp: 141560

Ion Ratio Lower Upper

85 100

87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

150000

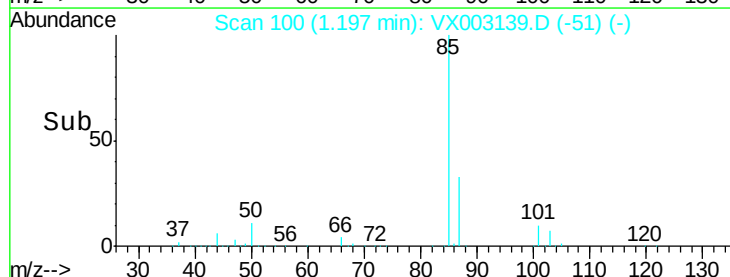
100000

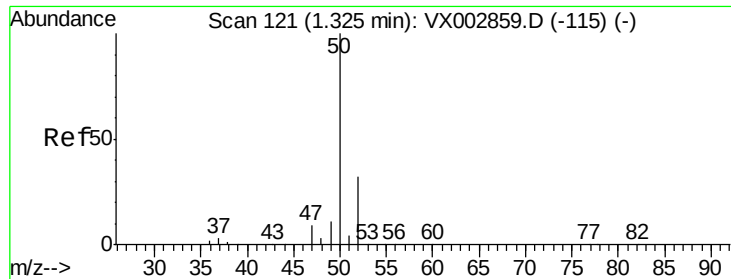
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 55.06 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 146153

Ion Ratio Lower Upper

50 100

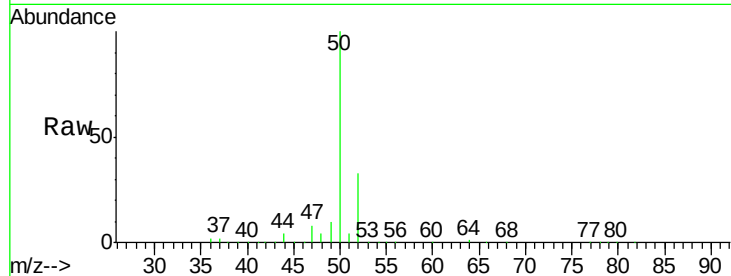
52 32.8 25.7 38.5

Manual Integrations

APPROVED

sam

7/3/2018 3:54:09 PM



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

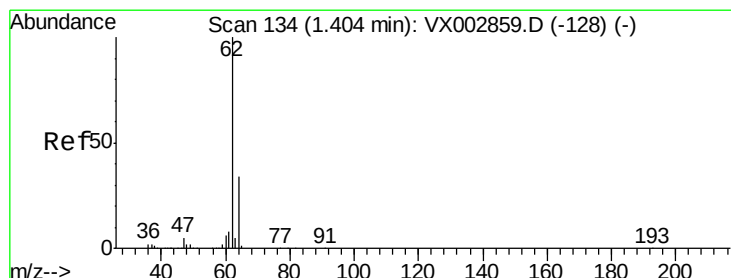
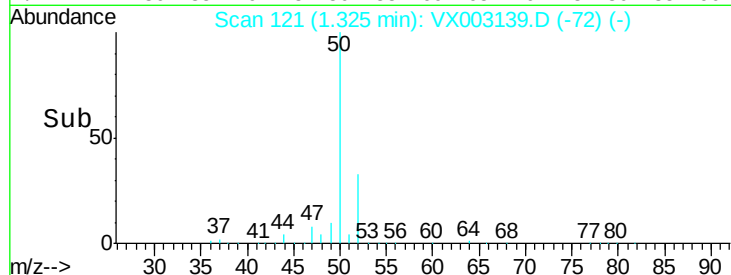
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 51.26 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX003139.D

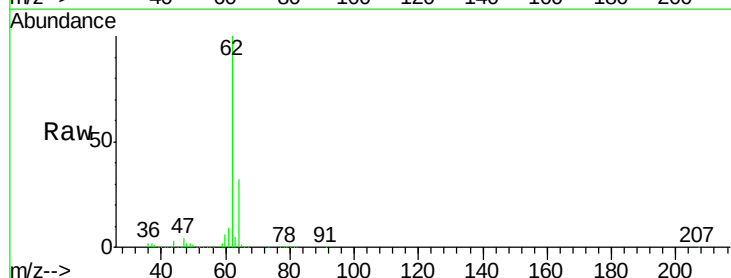
Acq: 02 Jul 2018 20:38

Tgt Ion: 62 Resp: 166363

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

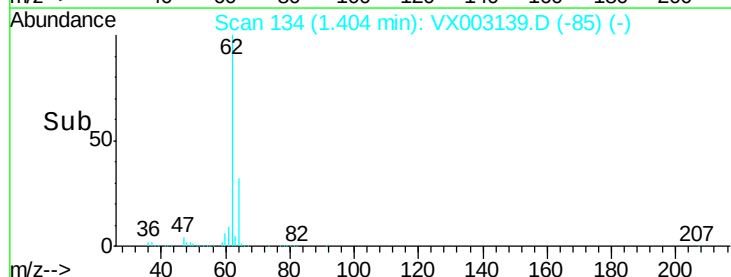
150000

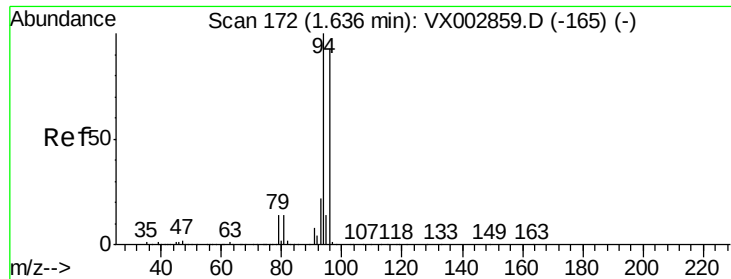
100000

50000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 33.60 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52256

Ion Ratio Lower Upper

94 100

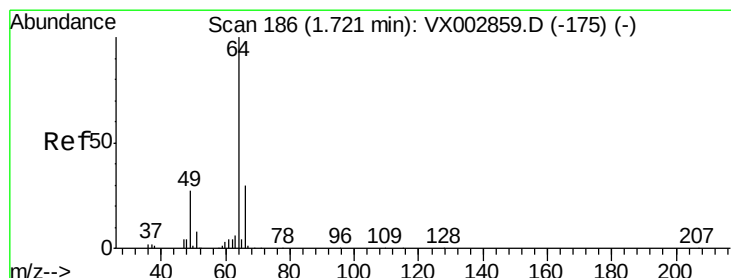
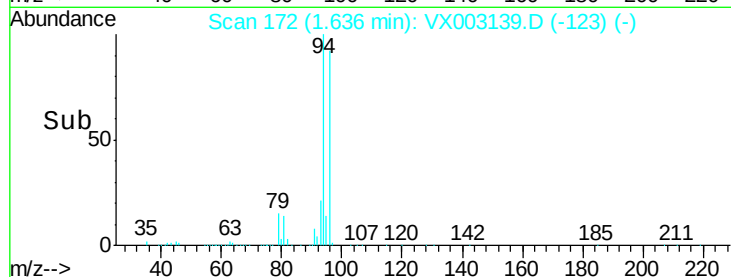
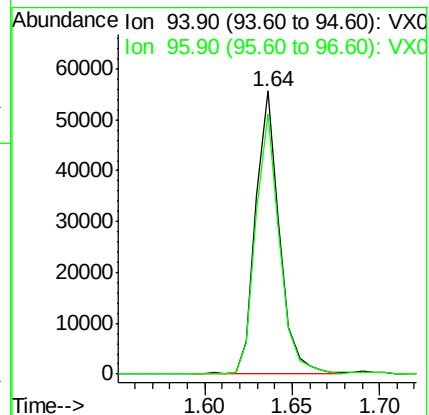
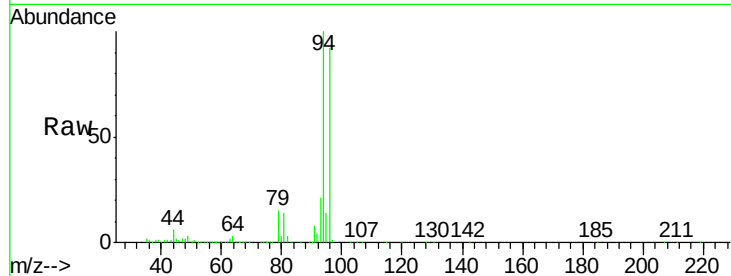
96 91.9 74.9 112.3

Manual Integrations

APPROVED

sam

7/3/2018 3:54:09 PM



#6

Chloroethane

Concen: 54.35 ug/l

RT: 1.72 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX003139.D

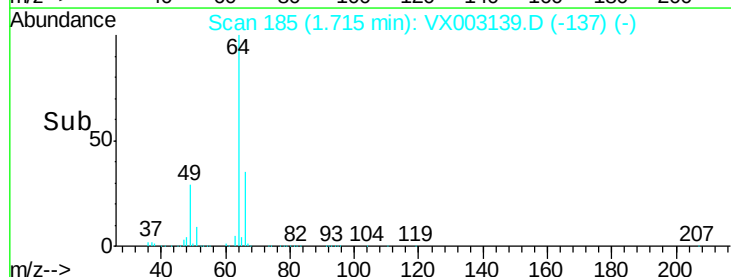
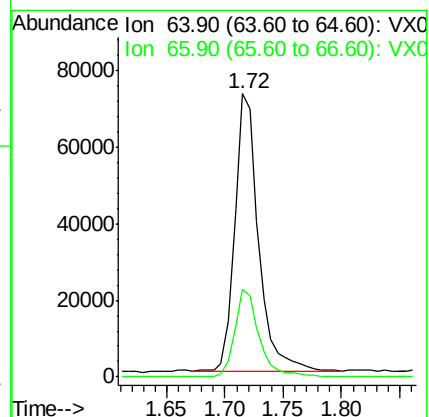
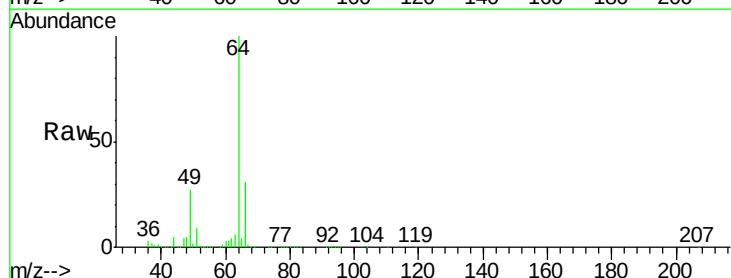
Acq: 02 Jul 2018 20:38

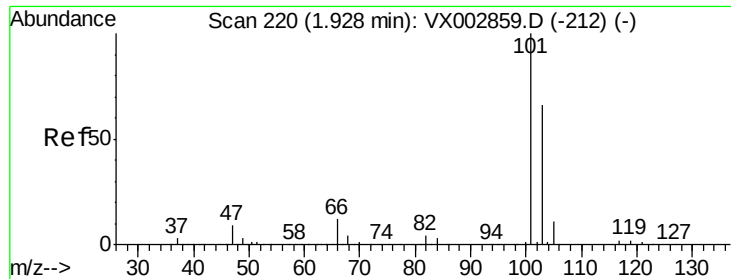
Tgt Ion: 64 Resp: 103132

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

Trichlorofluoromethane

Concen: 46.55 ug/l

RT: 1.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 254824

Ion Ratio Lower Upper

101 100

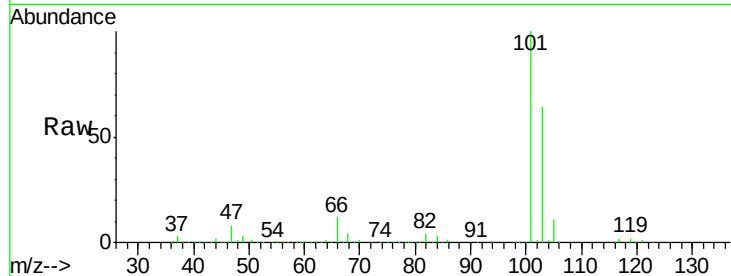
103 64.3 52.8 79.2

Manual Integrations

APPROVED

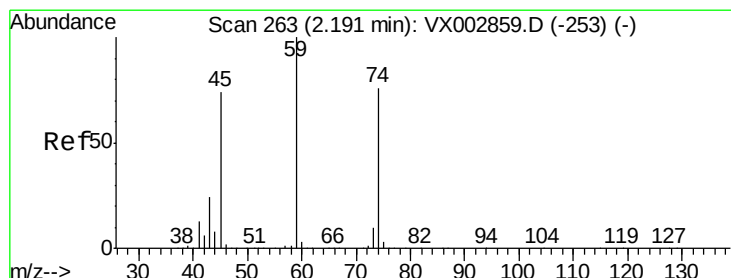
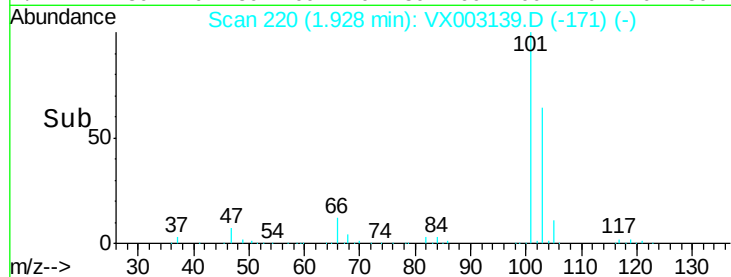
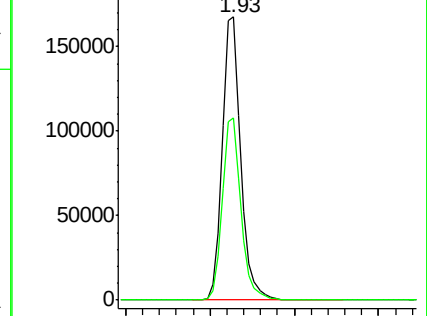
sam

7/3/2018 3:54:09 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.29 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX003139.D

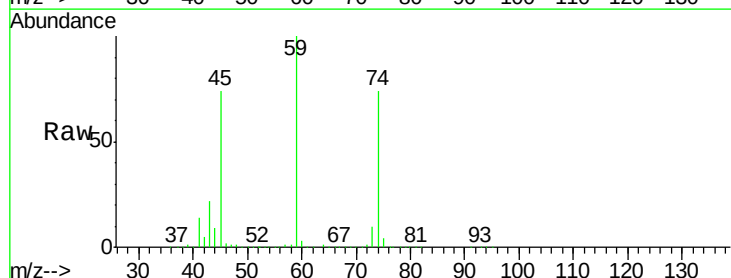
Acq: 02 Jul 2018 20:38

Tgt Ion: 74 Resp: 96098

Ion Ratio Lower Upper

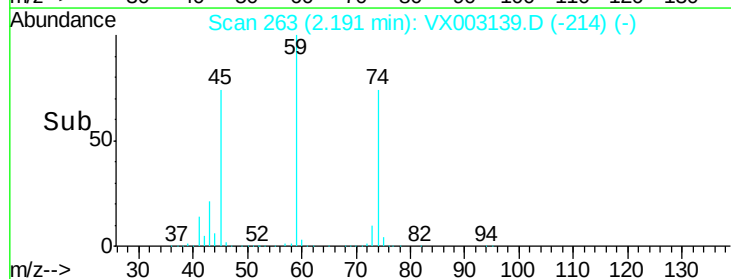
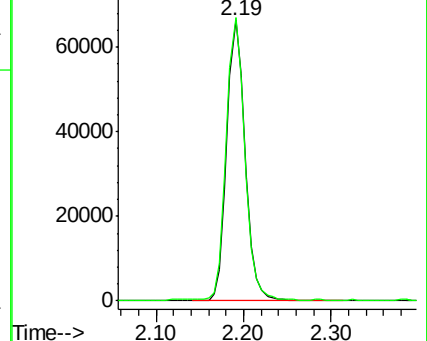
74 100

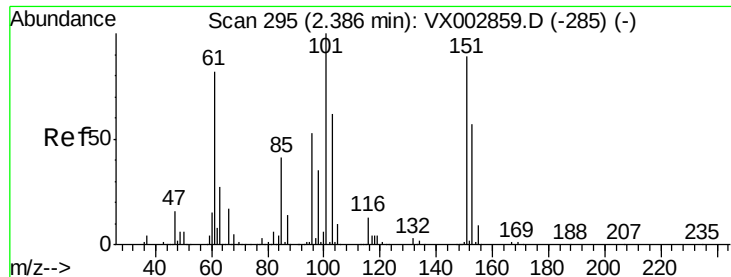
45 100.7 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.02 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

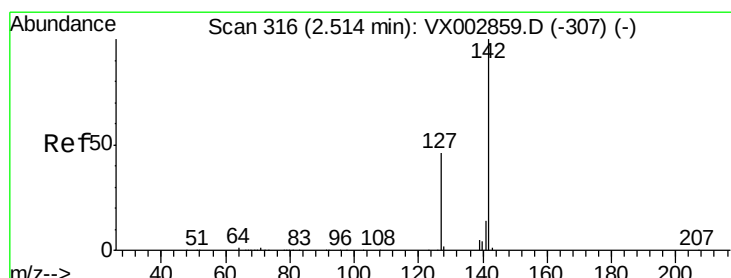
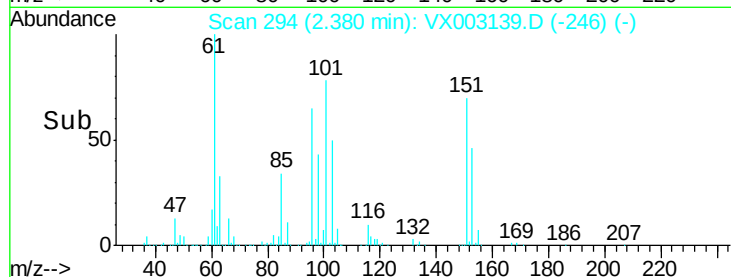
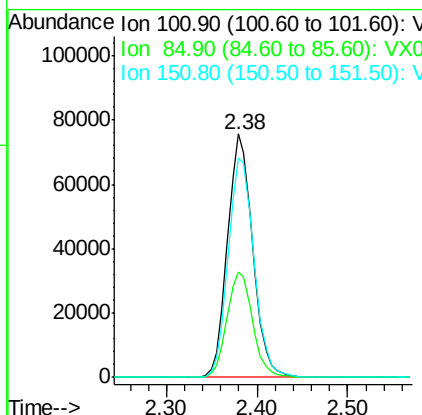
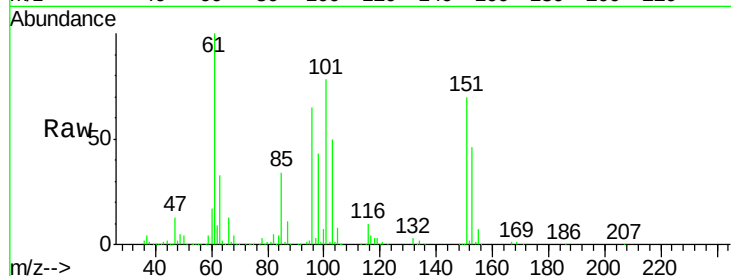
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	145971
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	92.4	70.9	106.3

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



#10

Methyl Iodide

Concen: 47.59 ug/l

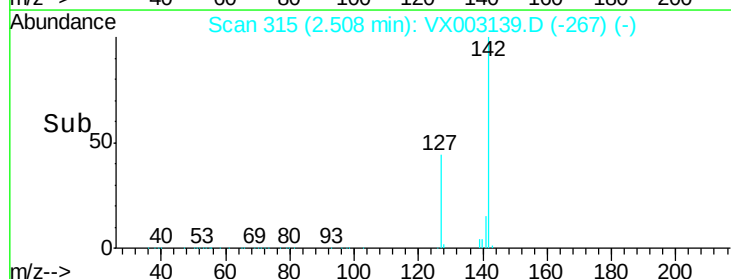
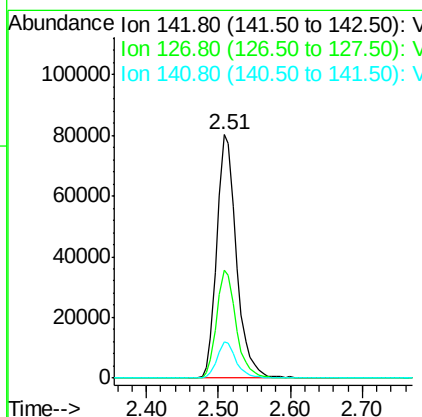
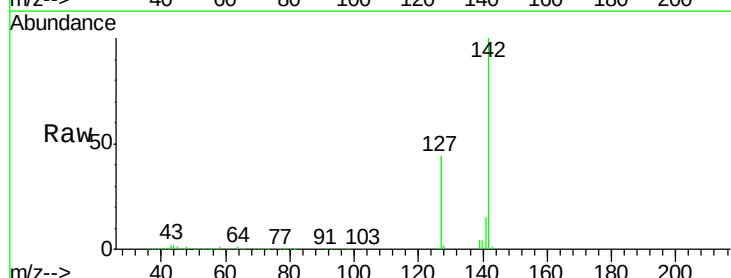
RT: 2.51 min Scan# 315

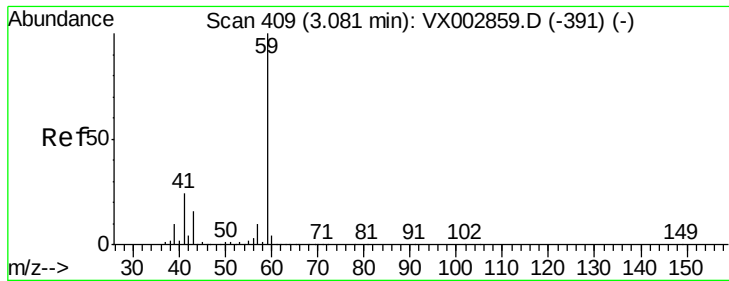
Delta R.T. -0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion:	142	Resp:	151989
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.6	55.0
141	14.3	11.3	16.9





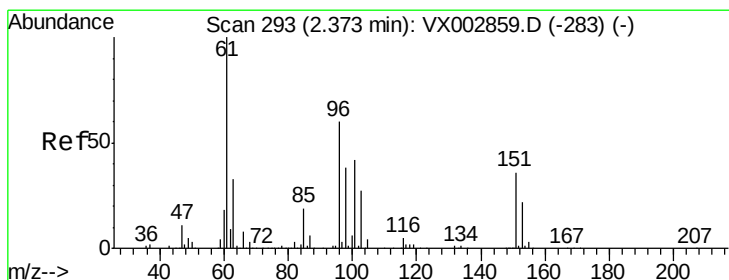
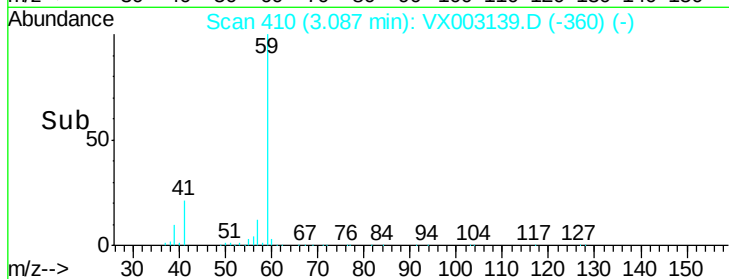
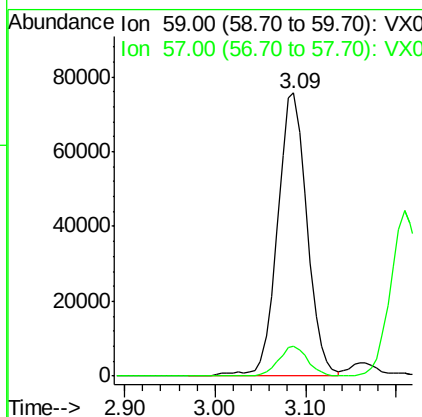
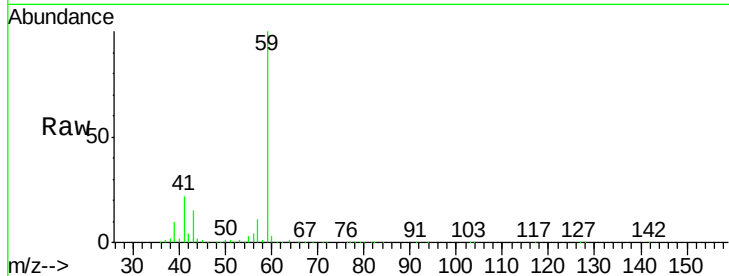
#11
Tert butyl alcohol
Concen: 216.38 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

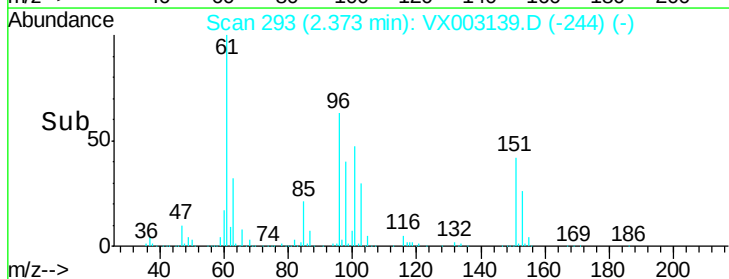
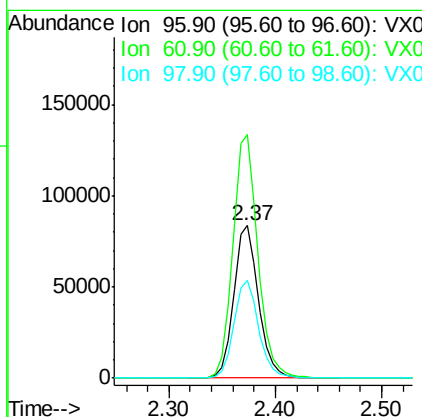
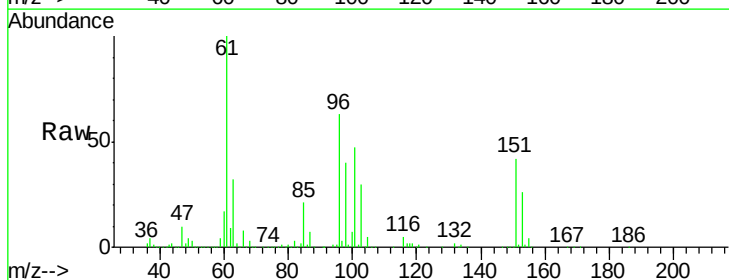
Manual Integrations
APPROVED

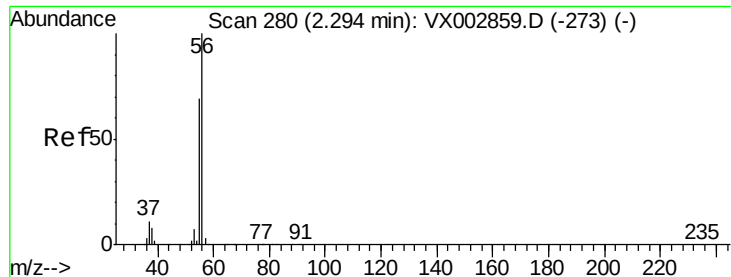
sam
7/3/2018 3:54:09 PM



#12
1,1-Dichloroethene
Concen: 48.25 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	137.9	206.9
98	64.4	51.6	77.4





#13

Acrolein

Concen: 141.76 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 61282

Ion Ratio Lower Upper

56 100

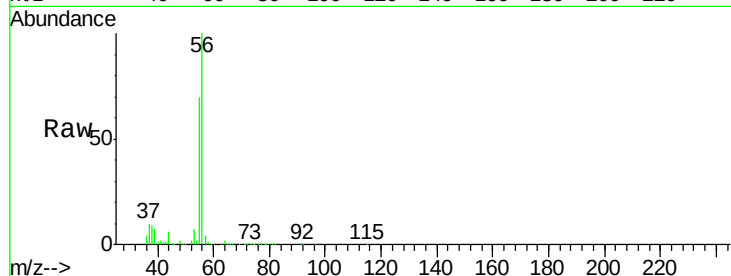
55 71.0 57.0 85.4

Manual Integrations

APPROVED

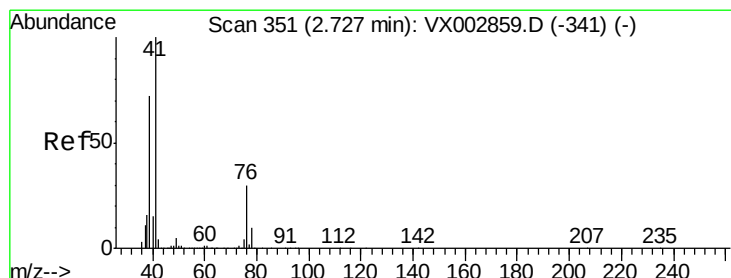
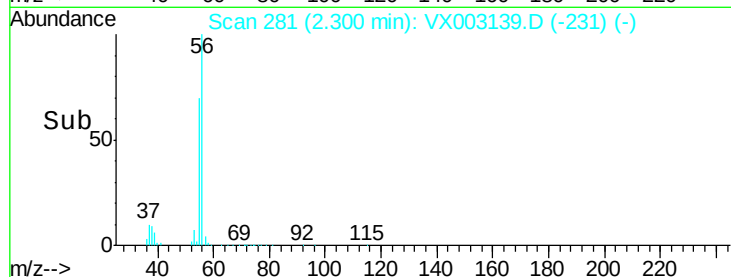
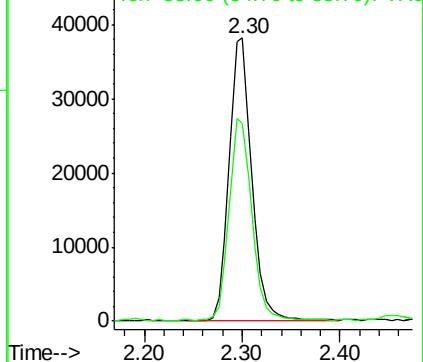
sam

7/3/2018 3:54:09 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 46.88 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

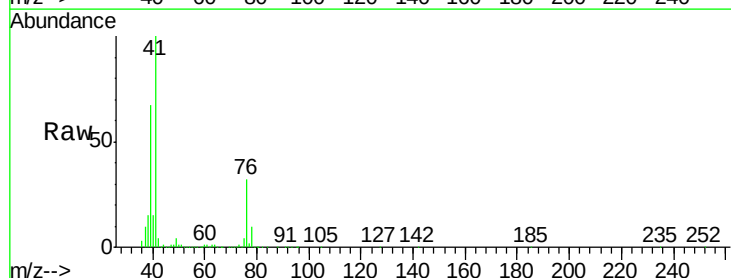
Tgt Ion: 41 Resp: 261526

Ion Ratio Lower Upper

41 100

39 65.9 56.8 85.2

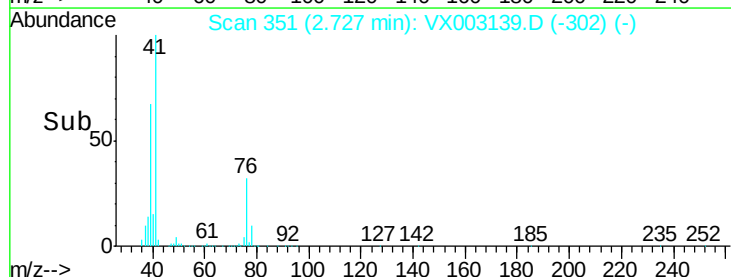
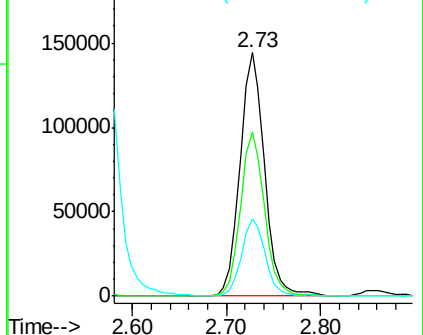
76 30.6 23.8 35.8

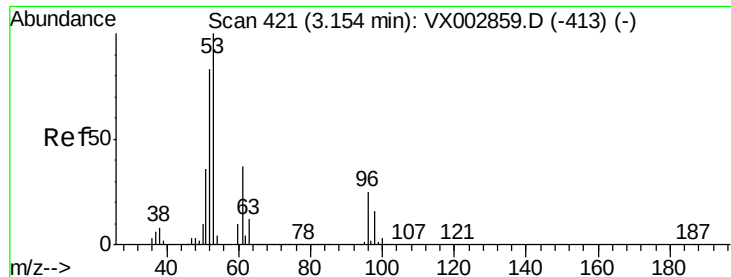


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 241.64 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

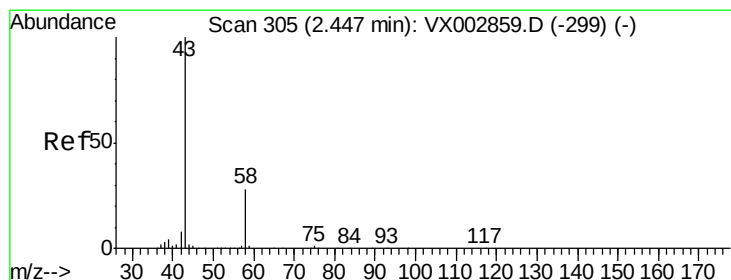
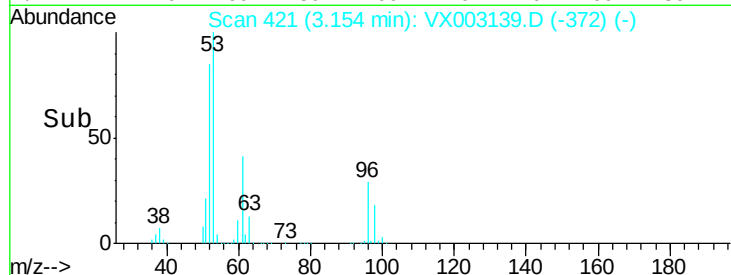
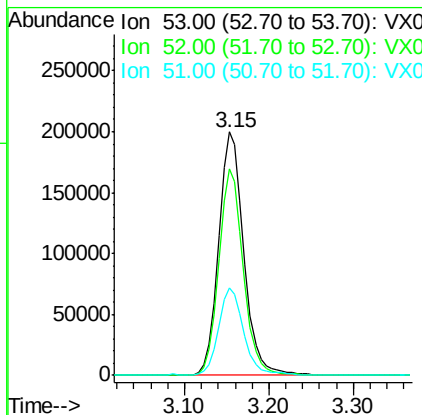
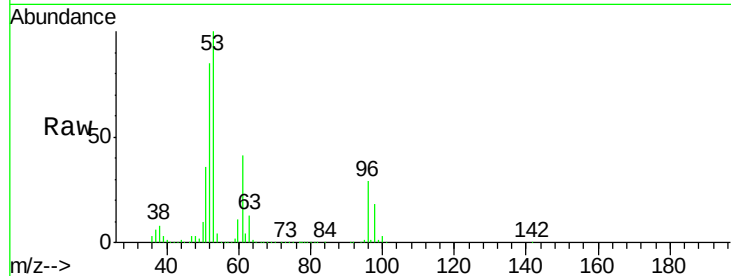
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	407810
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.7	100.1
51	36.2	29.9	44.9

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



#16

Acetone

Concen: 222.99 ug/l

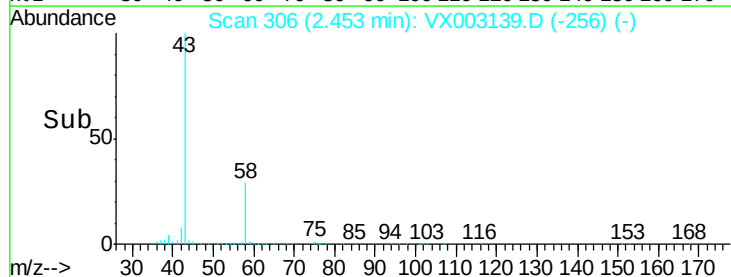
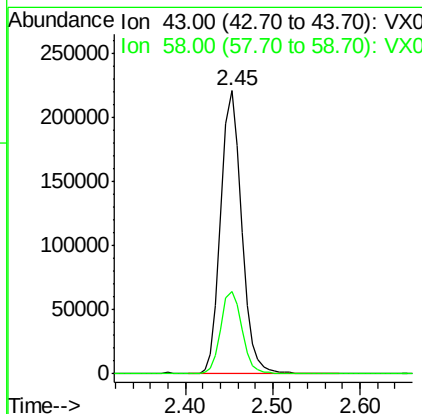
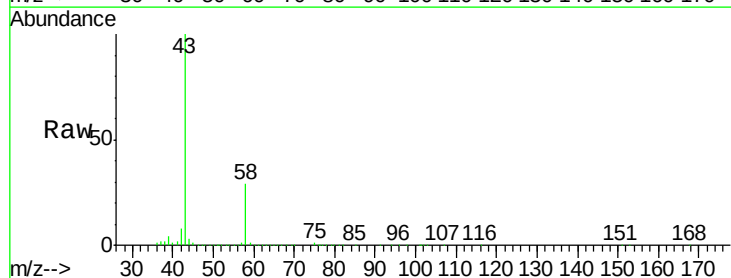
RT: 2.45 min Scan# 306

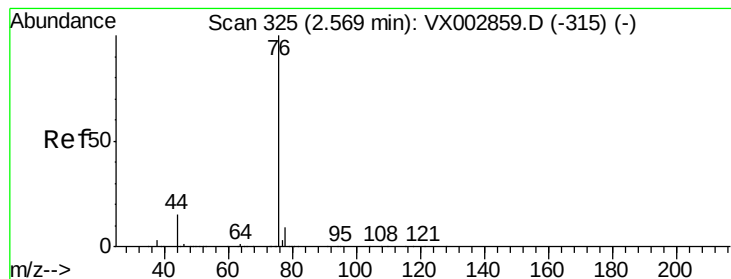
Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion:	43	Resp:	366275
Ion	Ratio	Lower	Upper
43	100		
58	28.9	22.1	33.1





#17

Carbon Disulfide

Concen: 50.42 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 380197

Ion Ratio Lower Upper

76 100

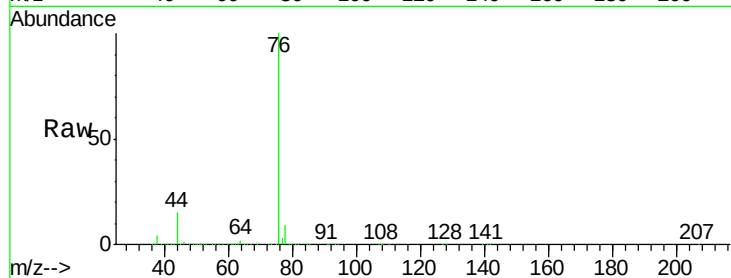
78 8.7 6.9 10.3

Manual Integrations

APPROVED

sam

7/3/2018 3:54:09 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

250000

200000

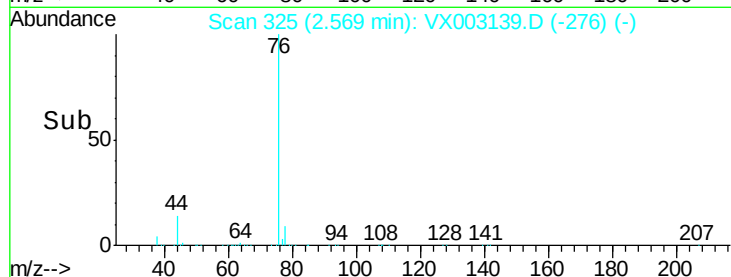
150000

100000

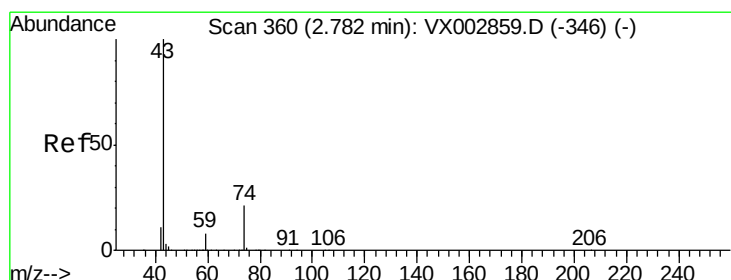
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 42.53 ug/l

RT: 2.78 min Scan# 360

Delta R.T. -0.00 min

Lab File: VX003139.D

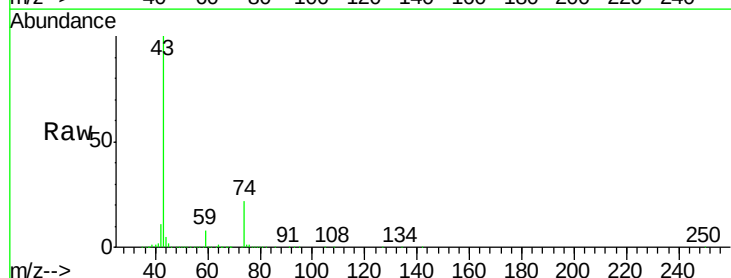
Acq: 02 Jul 2018 20:38

Tgt Ion: 43 Resp: 195333

Ion Ratio Lower Upper

43 100

74 22.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

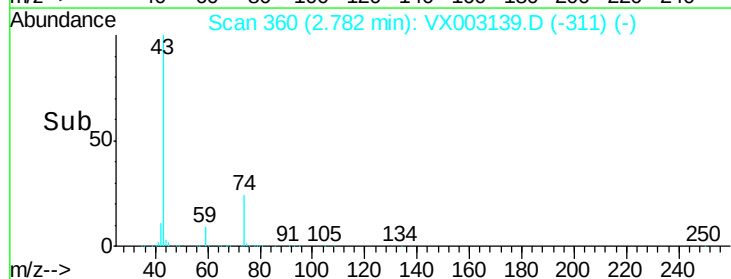
60000

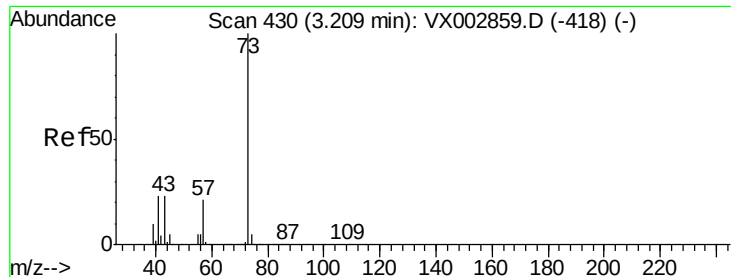
40000

20000

0

Time-->





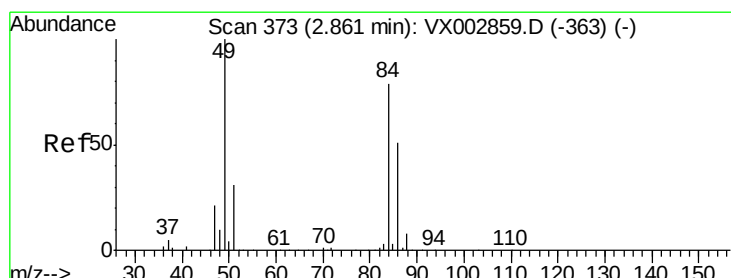
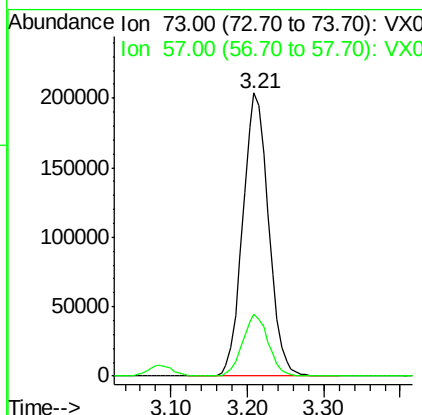
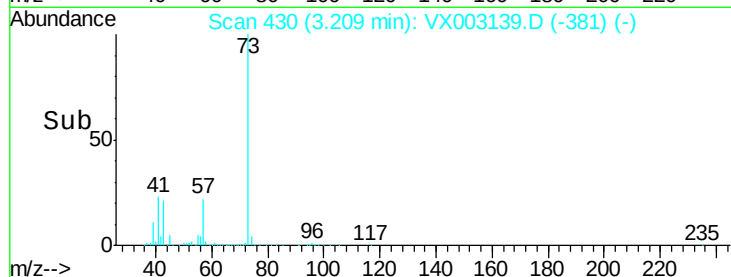
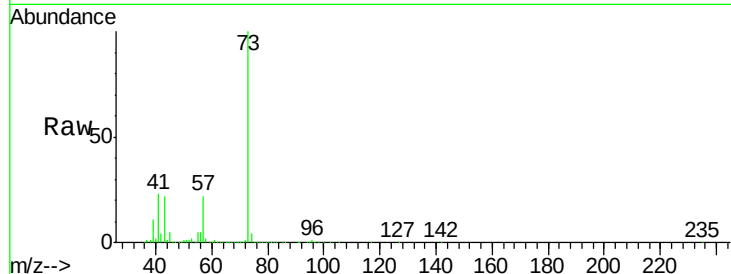
#19
Methyl tert-butyl Ether
Concen: 46.95 ug/l
RT: 3.21 min Scan# 430
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 477680
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

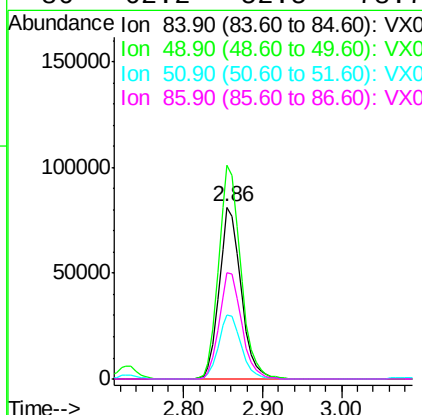
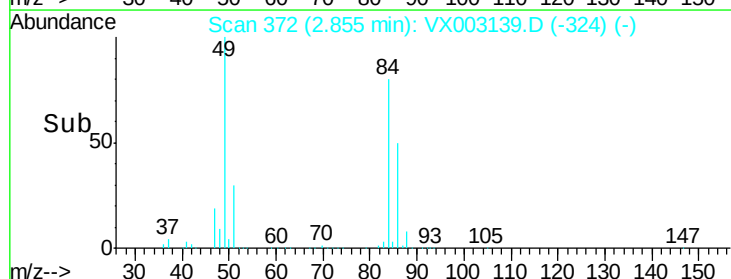
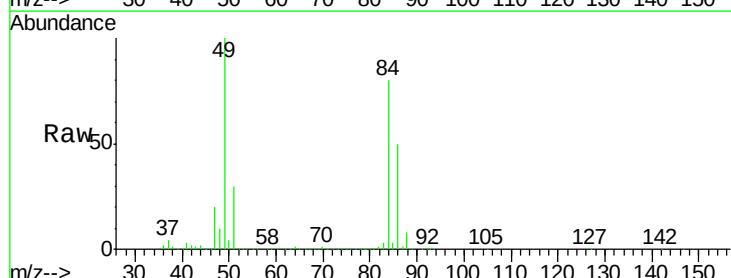
Manual Integrations
APPROVED

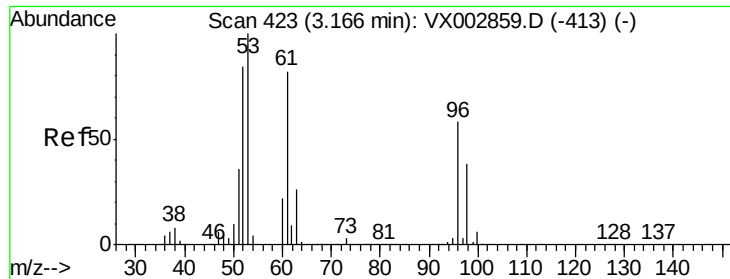
sam
7/3/2018 3:54:09 PM



#20
Methylene Chloride
Concen: 49.20 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 84 Resp: 157272
Ion Ratio Lower Upper
84 100
49 124.5 107.8 161.6
51 37.5 32.8 49.2
86 62.2 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.96 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

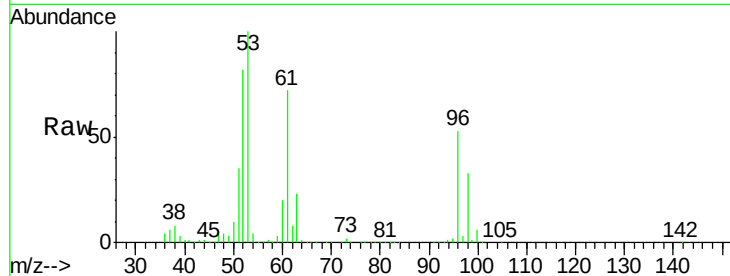
ClientSampleId :

VSTDCCC050EC

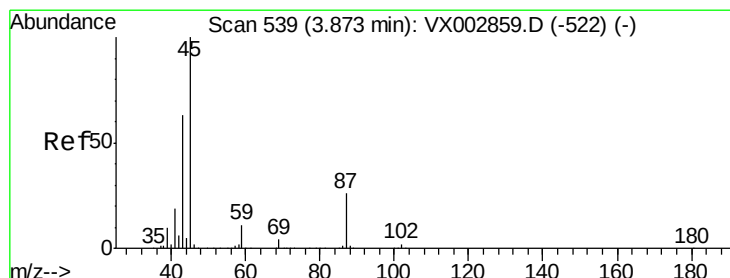
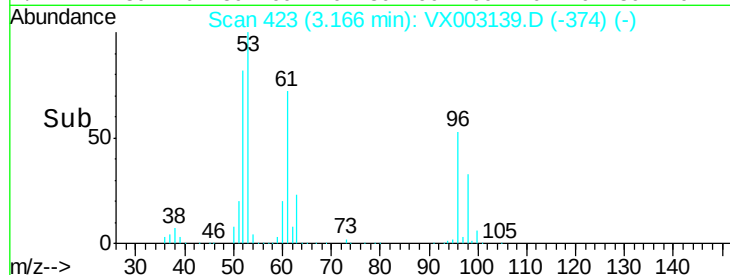
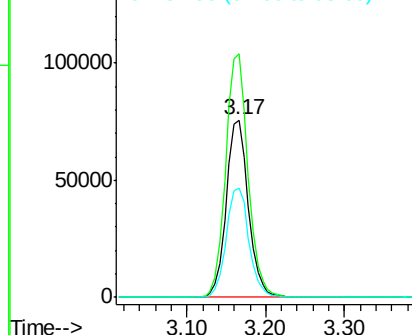
Tot Ion:	96	Resp:	147846
Ion	Ratio	Lower	Upper
96	100		
61	136.9	117.0	175.4
98	61.6	52.4	78.6

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.27 ug/l

RT: 3.88 min Scan# 540

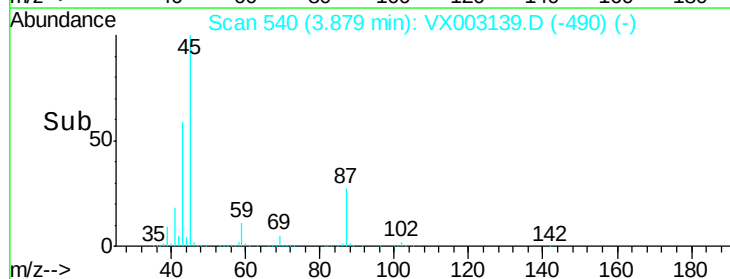
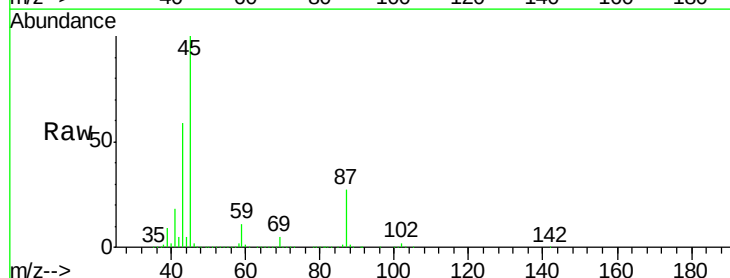
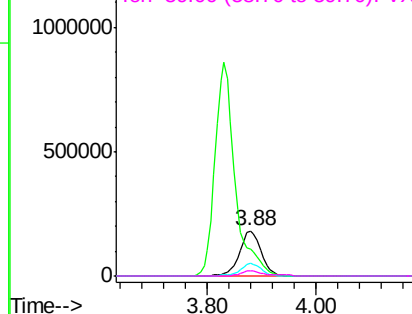
Delta R.T. 0.01 min

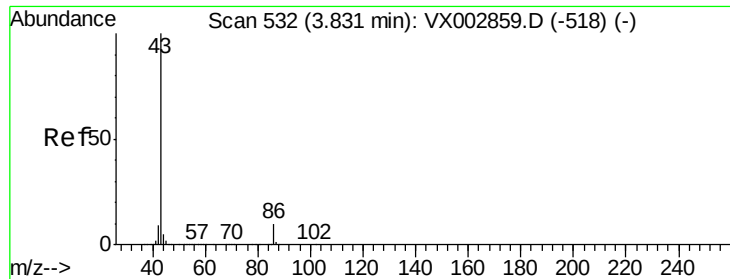
Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion:	45	Resp:	504086
Ion	Ratio	Lower	Upper
45	100		
43	58.5	46.8	70.2
87	27.1	20.2	30.4
59	11.4	8.7	13.1

Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 244.47 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2207464

Ion Ratio Lower Upper

43 100

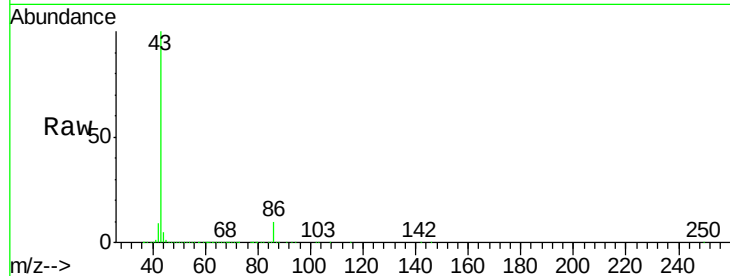
86 9.9 7.4 11.0

Manual Integrations

APPROVED

sam

7/3/2018 3:54:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

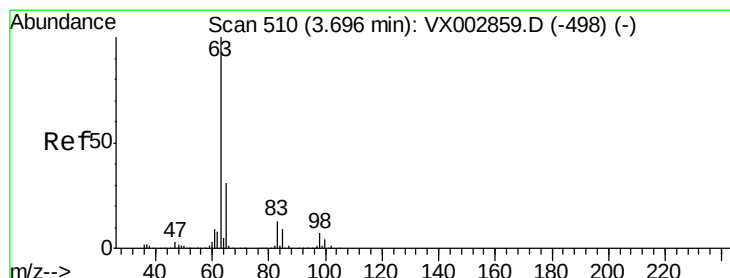
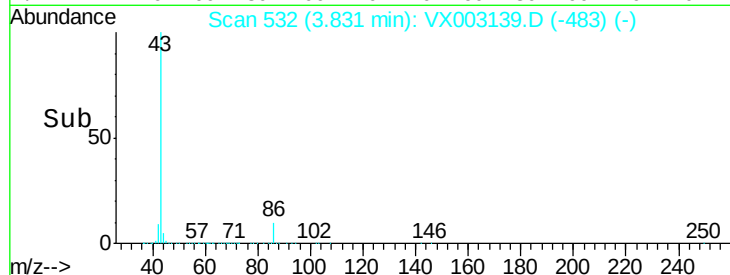
400000

200000

0

3.60 3.80 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 47.87 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

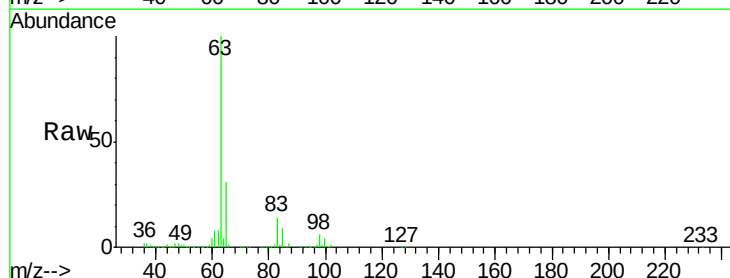
Tgt Ion: 63 Resp: 277464

Ion Ratio Lower Upper

63 100

98 6.1 3.4 10.2

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

150000

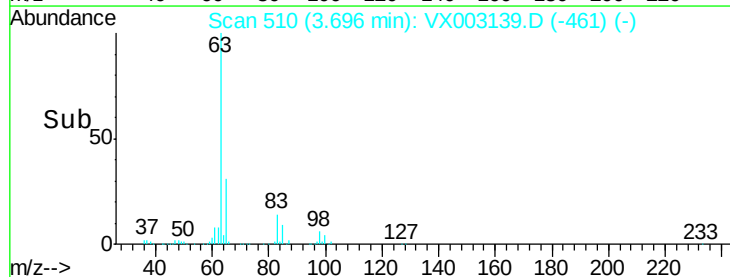
100000

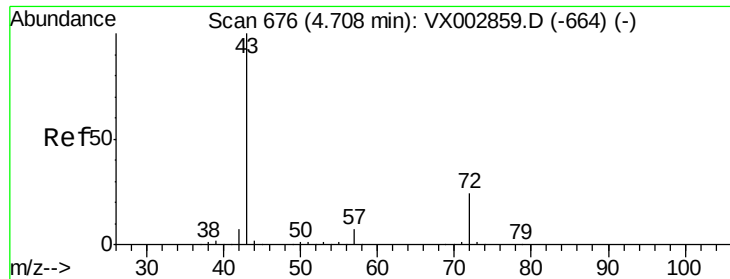
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 248.22 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 605101

Ion Ratio Lower Upper

43 100

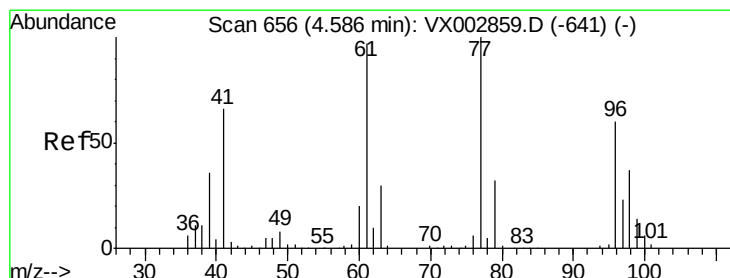
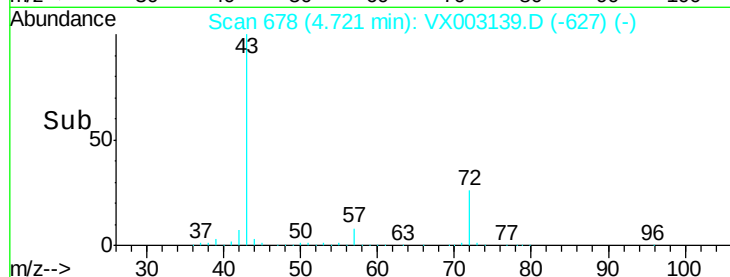
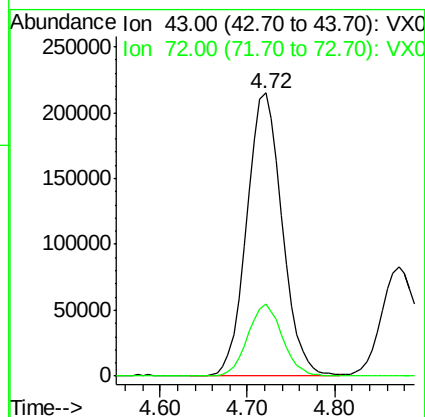
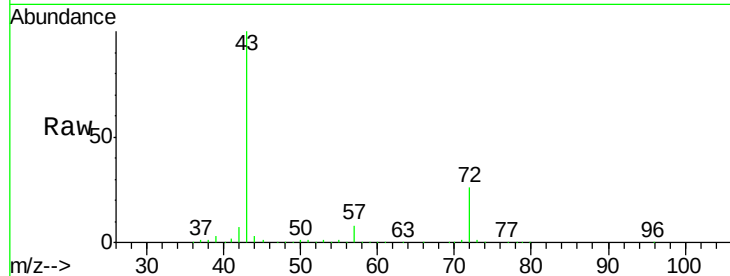
72 25.4 18.5 27.7

Manual Integrations

APPROVED

sam

7/3/2018 3:54:09 PM



#26

2,2-Dichloropropane

Concen: 35.88 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003139.D

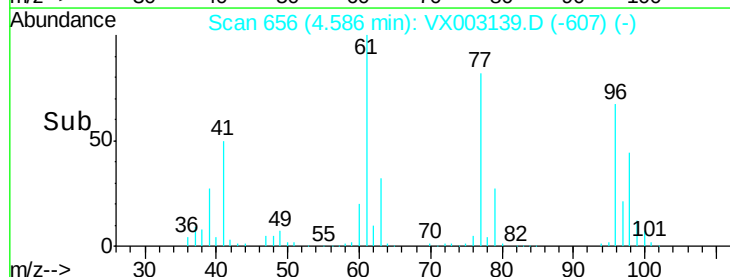
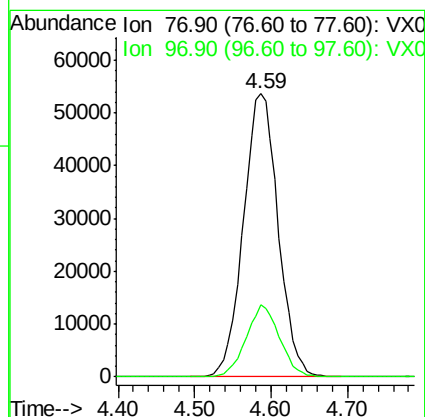
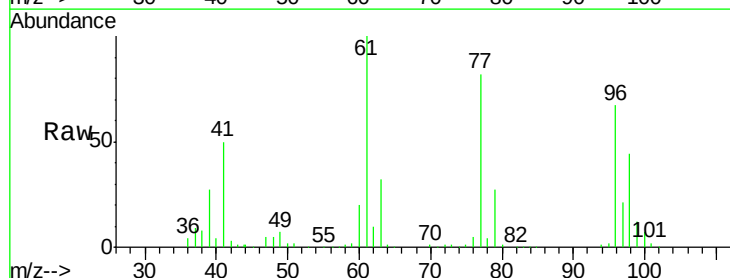
Acq: 02 Jul 2018 20:38

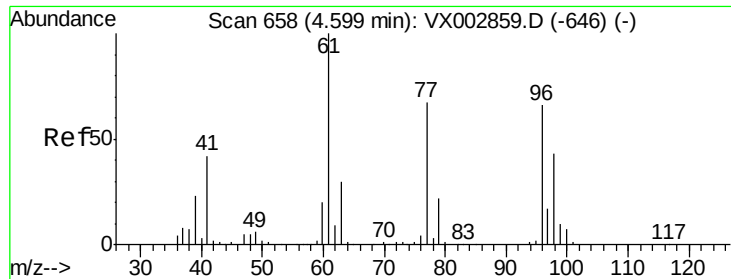
Tgt Ion: 77 Resp: 169121

Ion Ratio Lower Upper

77 100

97 24.3 11.2 33.5





#27

cis-1,2-Dichloroethene

Concen: 49.34 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX003139.D

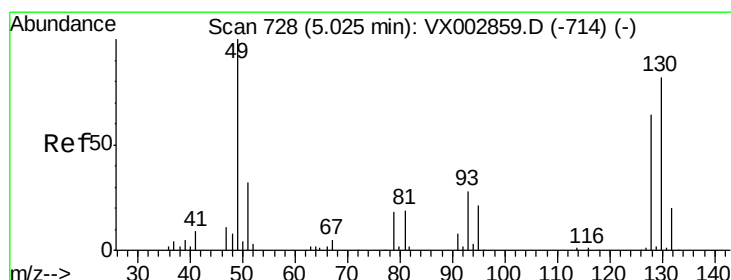
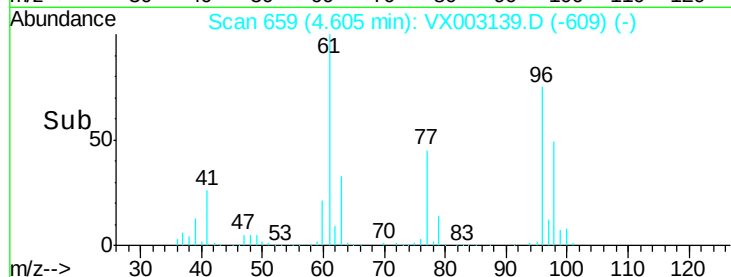
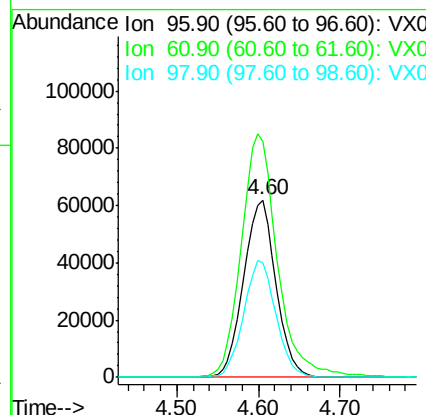
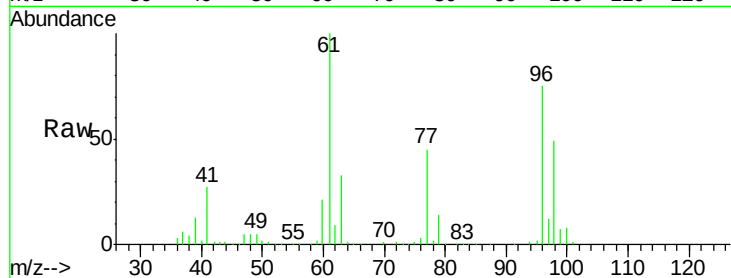
Acq: 02 Jul 2018 20:38

Tot Ion:	96	Resp:	170512
Ion Ratio	Lower	Upper	
96	100		
61	153.6	0.0	330.2
98	65.6	0.0	130.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



#28

Bromochloromethane

Concen: 47.22 ug/l

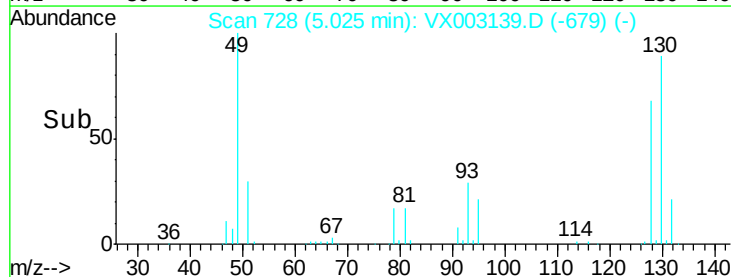
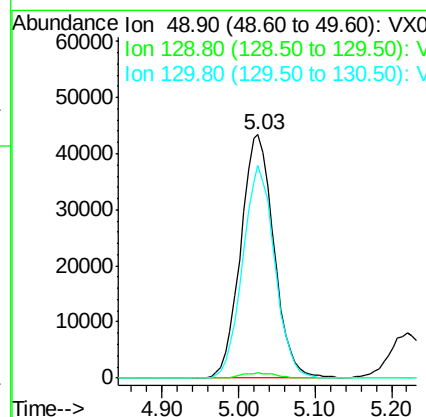
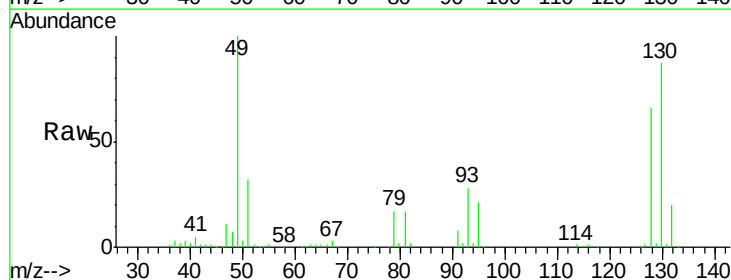
RT: 5.03 min Scan# 728

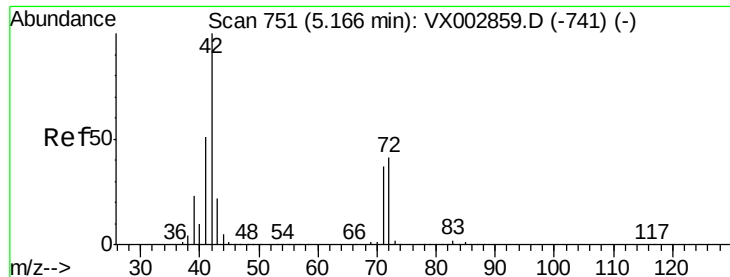
Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion:	49	Resp:	130997
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.2
130	84.0	61.2	91.8





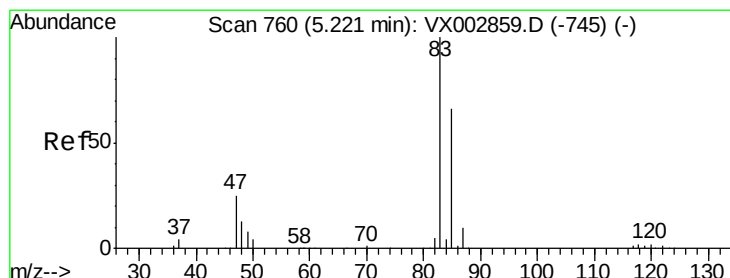
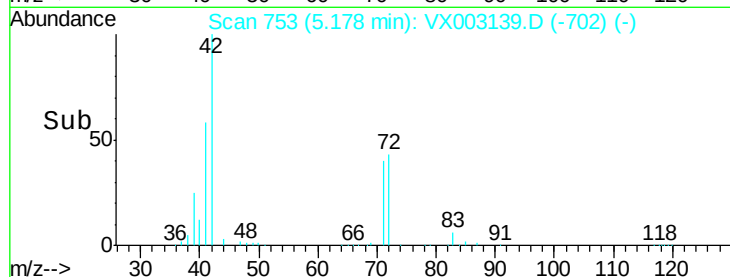
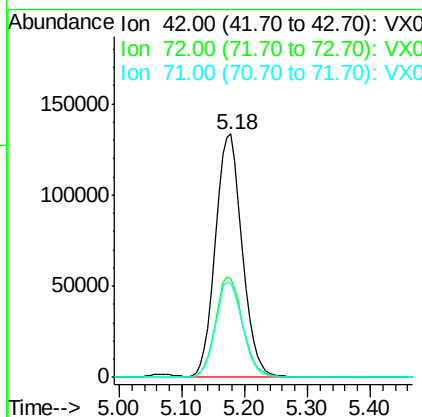
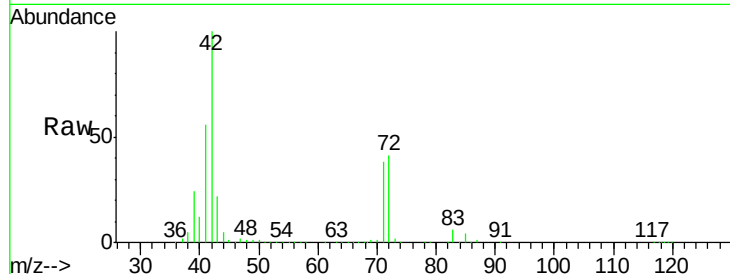
#29
Tetrahydrofuran
Concen: 251.42 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	32.0	48.0
71	39.7	30.1	45.1

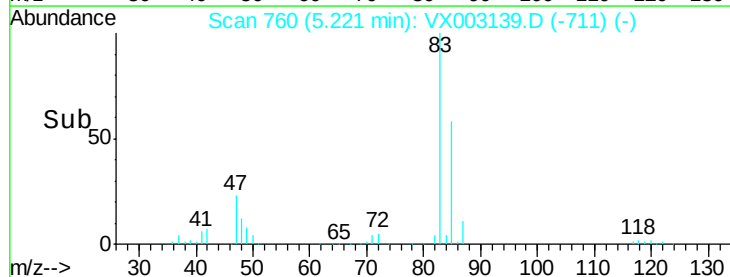
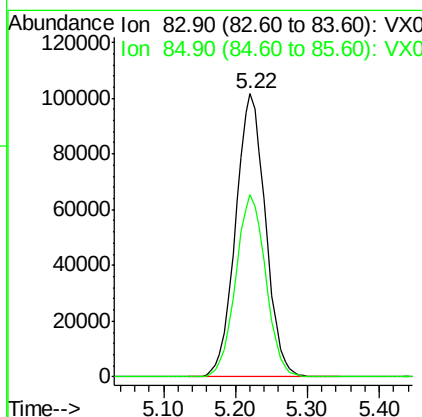
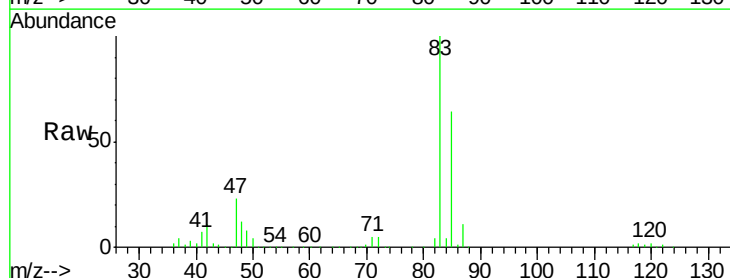
Manual Integrations
APPROVED

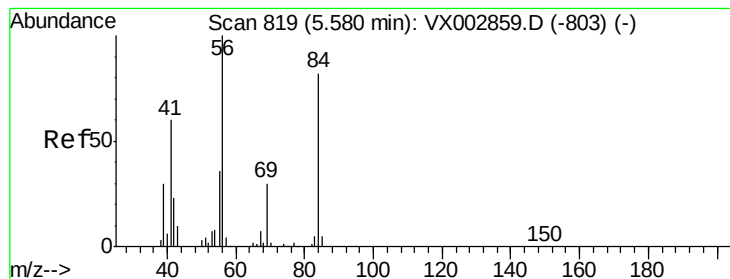
sam
7/3/2018 3:54:09 PM



#30
Chloroform
Concen: 49.09 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.4	75.6





#31

Cyclohexane

Concen: 50.71 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

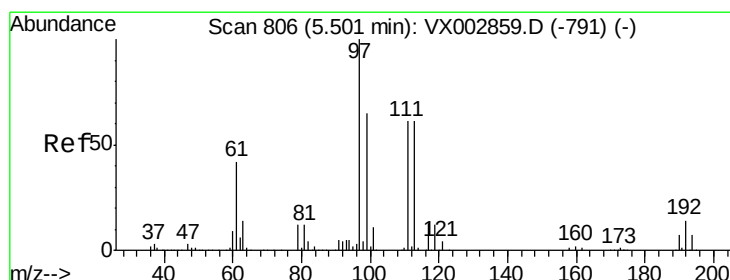
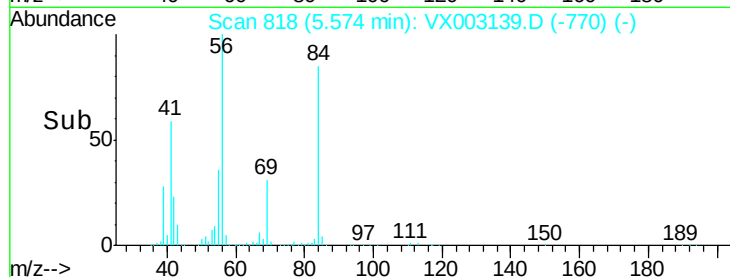
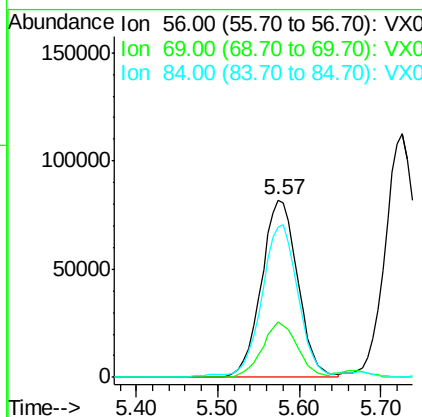
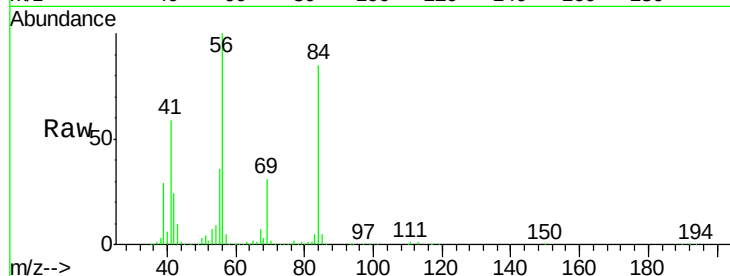
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	252228
Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.7	35.5
84	84.1	64.1	96.1

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



#32

1,1,1-Trichloroethane

Concen: 49.74 ug/l

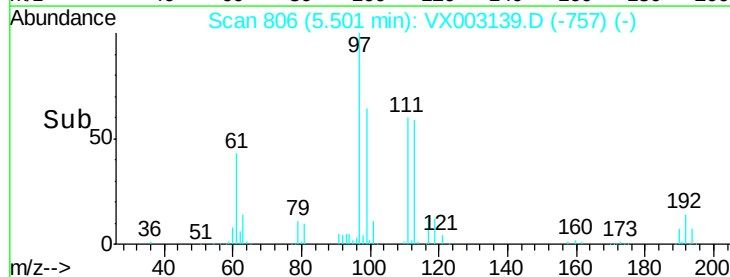
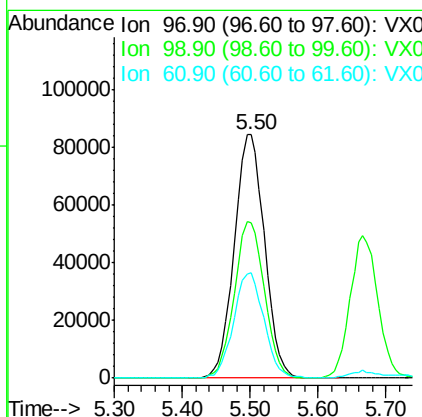
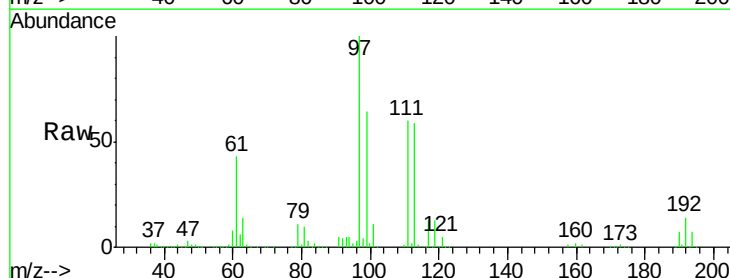
RT: 5.50 min Scan# 806

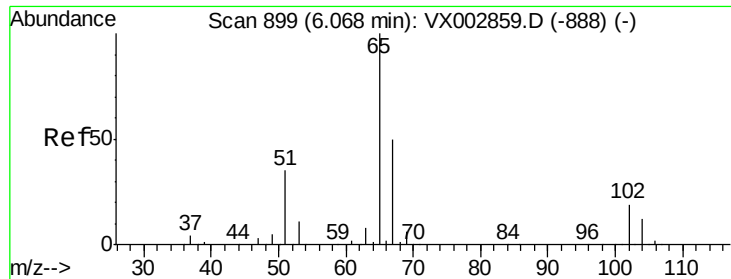
Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion:	97	Resp:	260296
Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.6	77.4
61	43.4	36.4	54.6





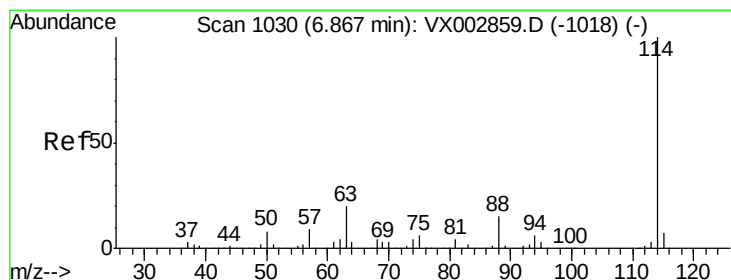
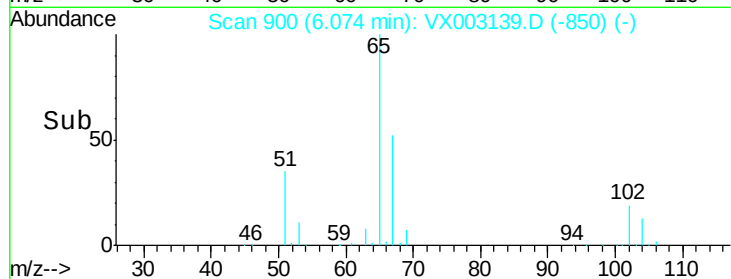
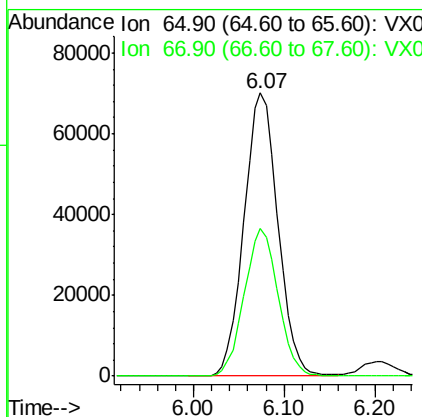
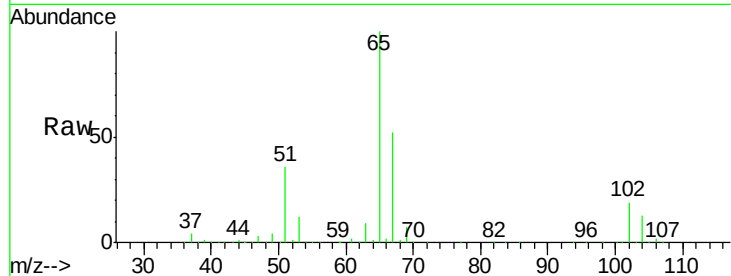
#33
 1,2-Dichloroethane-d4
 Concen: 45.84 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	181801		
67	51.9	0.0	102.6	

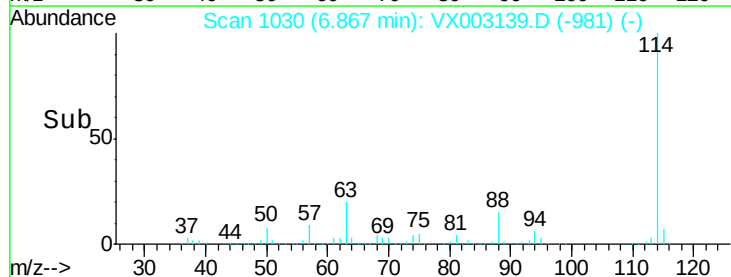
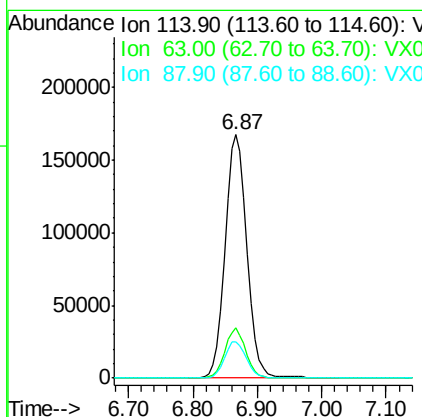
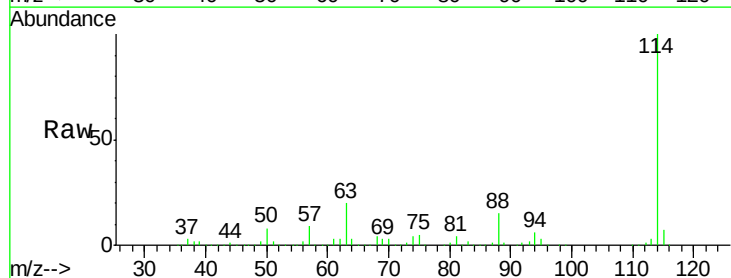
Manual Integrations
 APPROVED

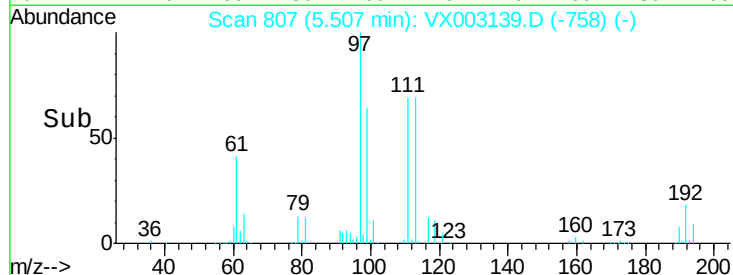
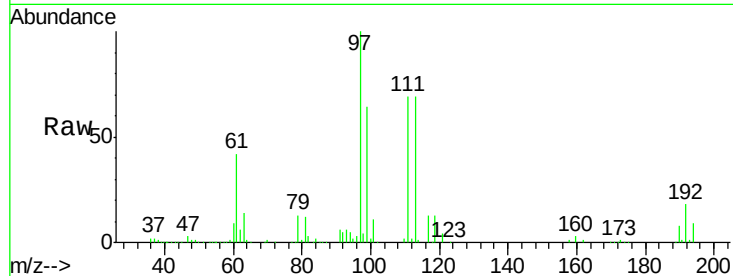
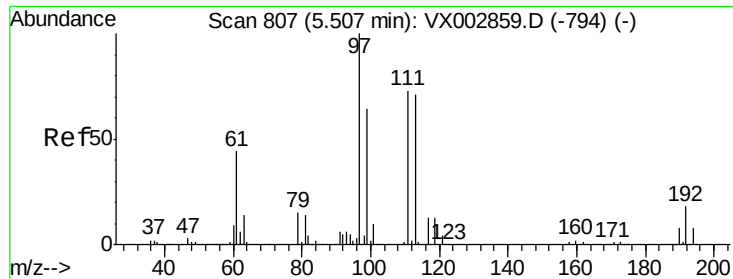
sam
 7/3/2018 3:54:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398588		
63	20.5	0.0	41.4	
88	15.1	0.0	30.0	





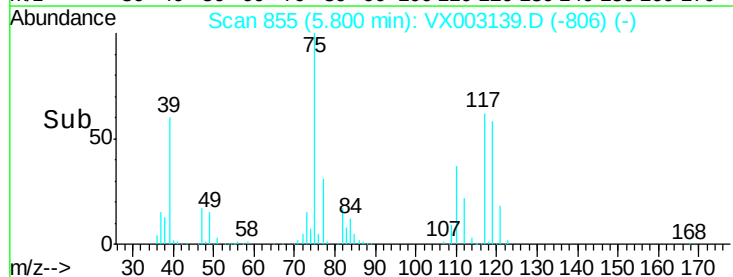
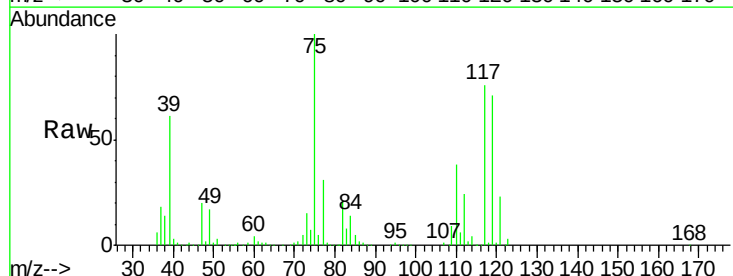
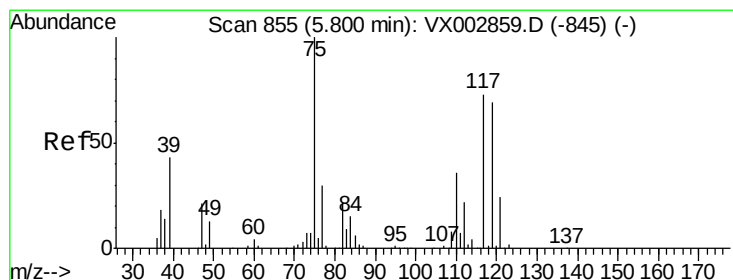
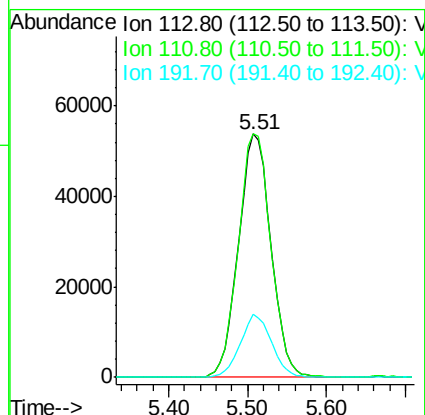
#35
Dibromofluoromethane
Concen: 48.76 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153907		
111	100.8	81.4	122.0	
192	24.8	19.1	28.7	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

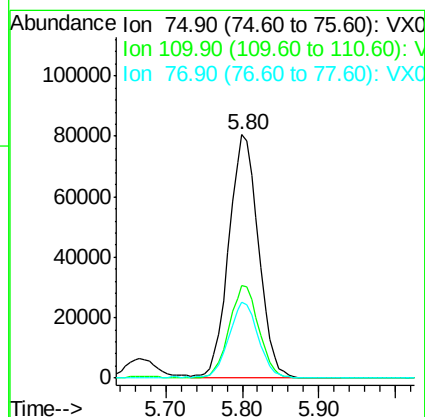
Manual Integrations
APPROVED

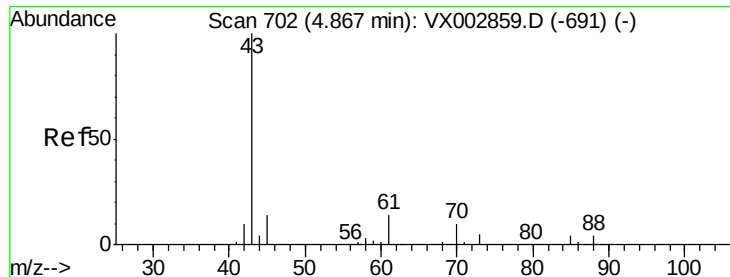
sam
7/3/2018 3:54:09 PM



#36
1,1-Dichloropropene
Concen: 49.33 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215639		
110	38.0	18.1	54.4	
77	30.7	24.3	36.5	





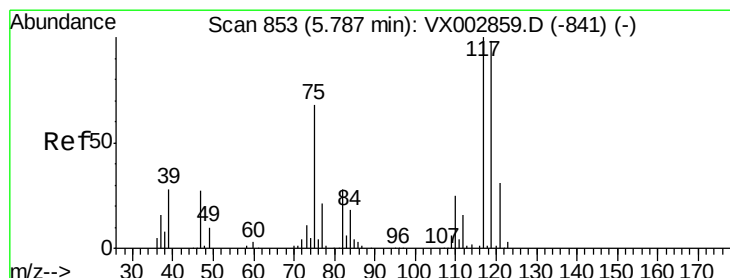
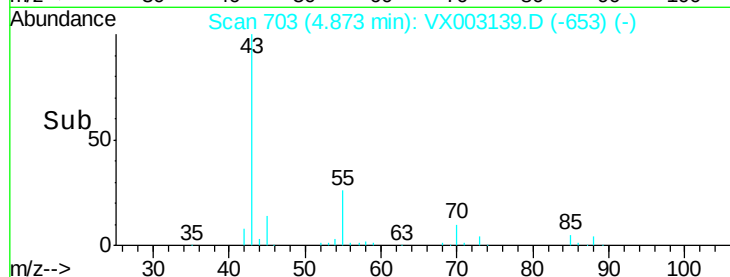
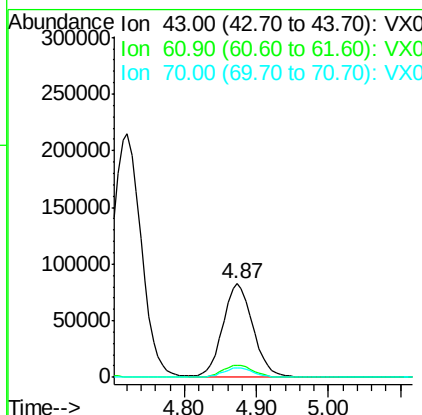
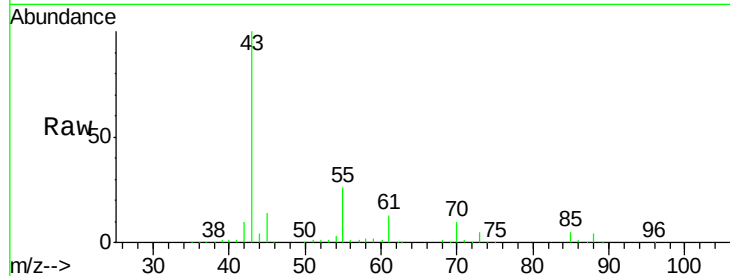
#37
Ethyl Acetate
Concen: 51.08 ug/l
RT: 4.87 min Scan# 703
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	240390
Ion Ratio	Lower	Upper	
43	100		
61	13.0	10.4	15.6
70	10.1	7.6	11.4

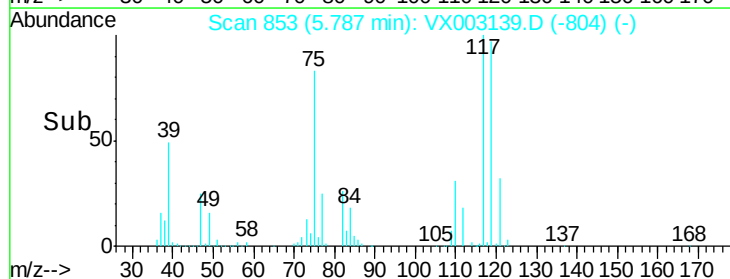
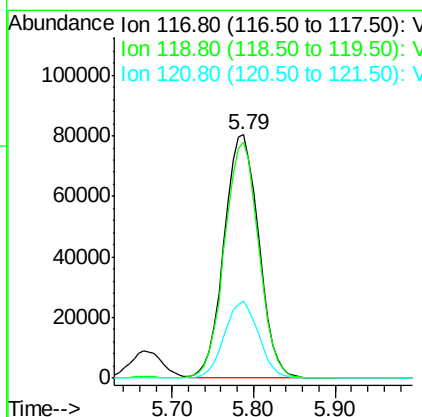
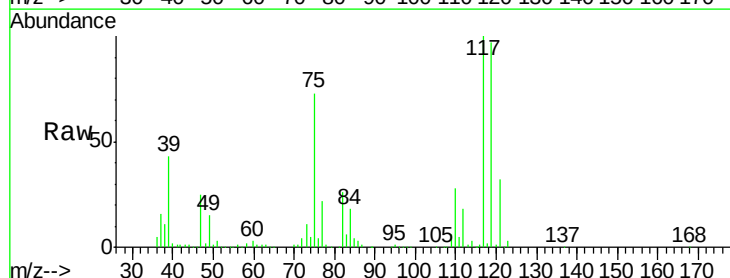
Manual Integrations
APPROVED

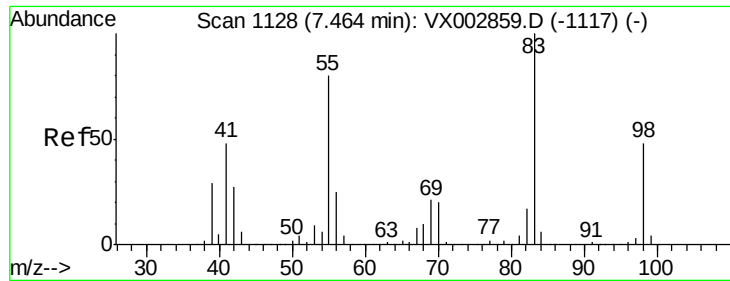
sam
7/3/2018 3:54:09 PM



#38
Carbon Tetrachloride
Concen: 49.30 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion	117	Resp	236461
Ion Ratio	Lower	Upper	
117	100		
119	96.9	77.4	116.0
121	31.5	24.4	36.6





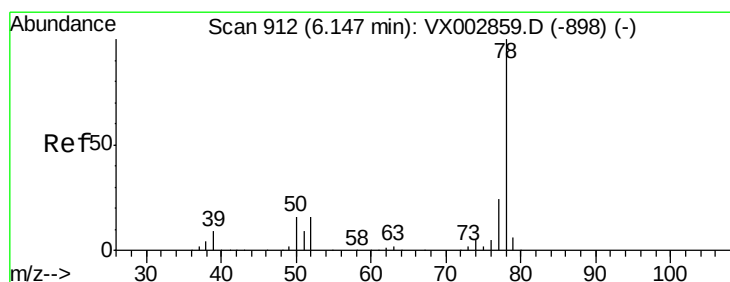
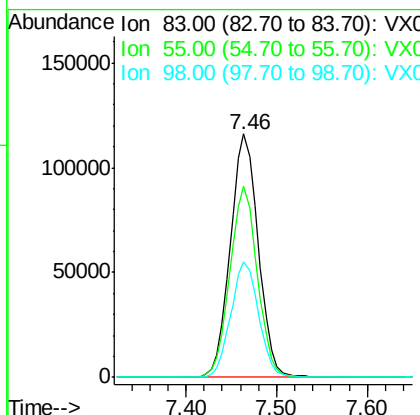
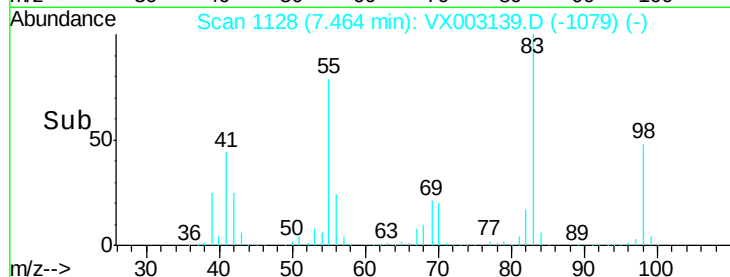
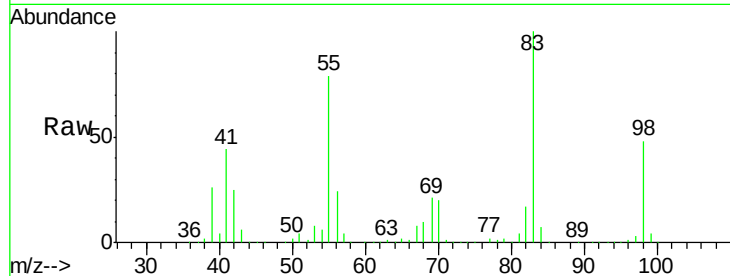
#39
Methylvclclohexane
Concen: 48.76 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	65.4	98.0
98	47.7	37.4	56.0

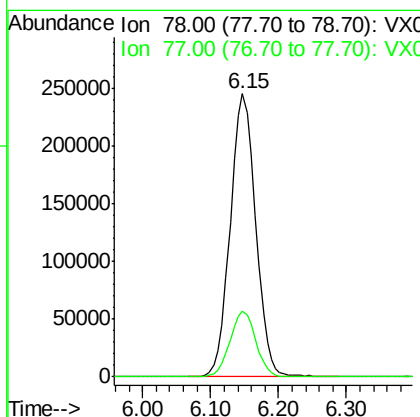
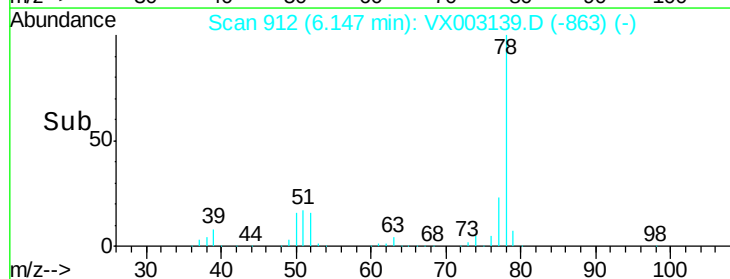
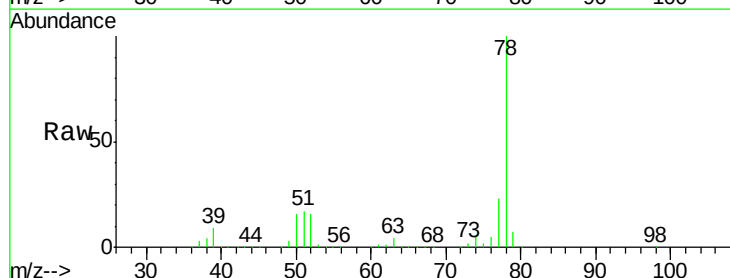
Manual Integrations
APPROVED

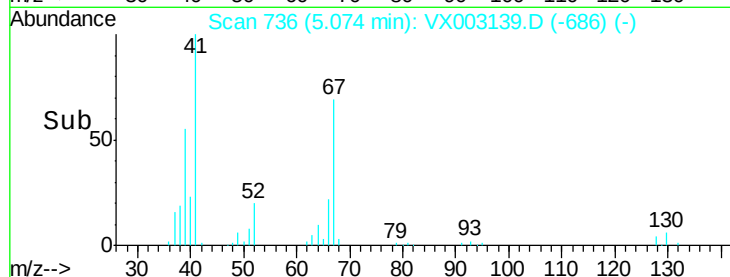
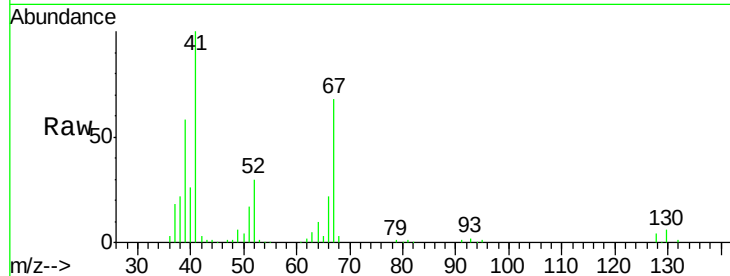
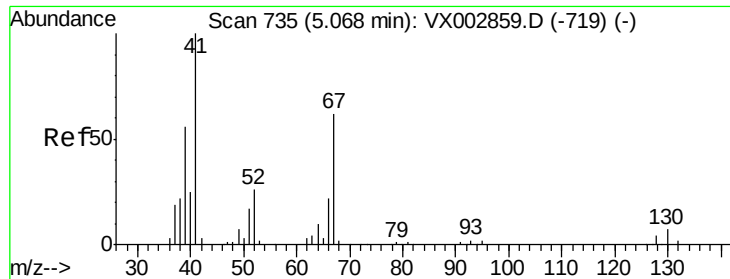
sam
7/3/2018 3:54:09 PM



#40
Benzene
Concen: 50.35 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

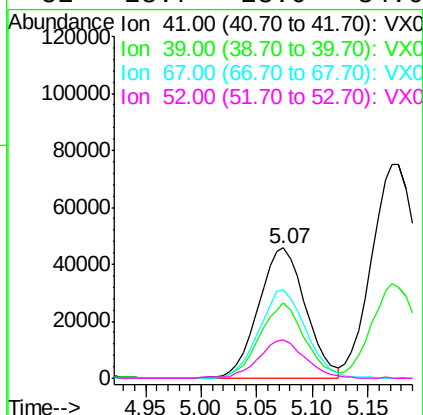
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





#41
Methacrylonitrile
Concen: 49.77 ug/l
RT: 5.07 min Scan# 736
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

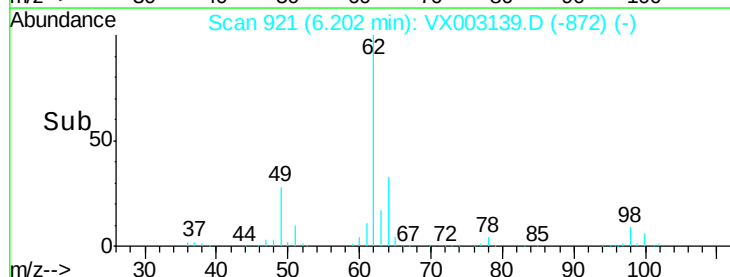
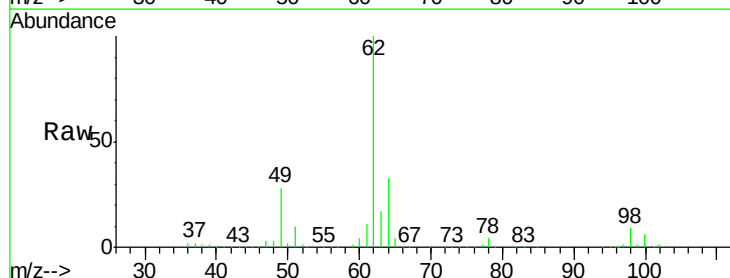
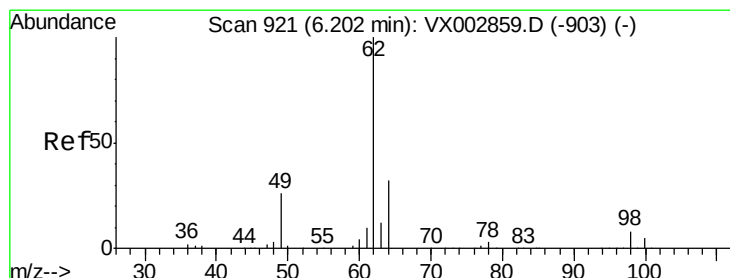
Tot Ion	Ratio	Lower	Upper
41	100		
39	54.9	45.8	68.6
67	67.6	51.3	76.9
52	28.7	23.0	34.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

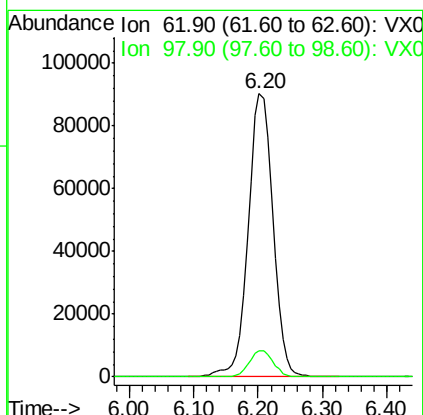
Manual Integrations
APPROVED

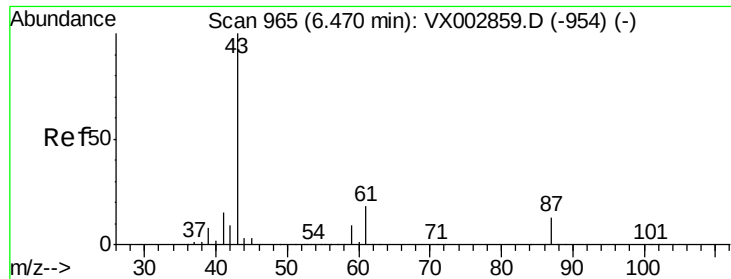
sam
7/3/2018 3:54:09 PM



#42
1,2-Dichloroethane
Concen: 46.31 ug/l
RT: 6.20 min Scan# 921
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	16.6





#43

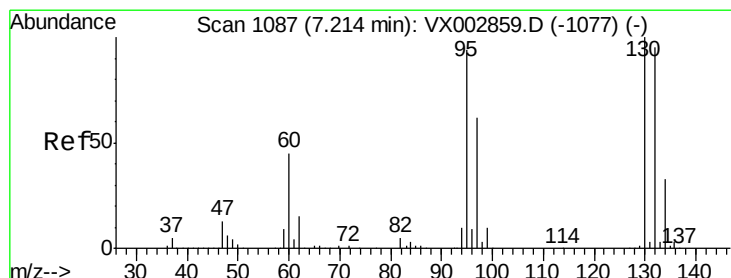
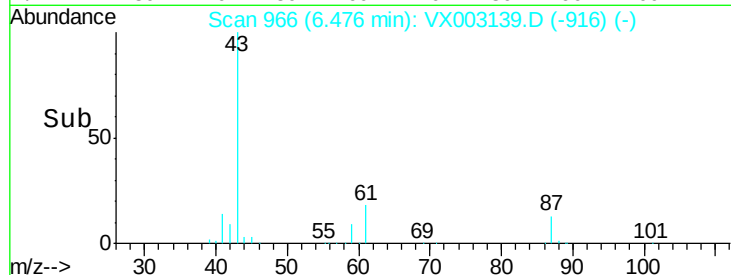
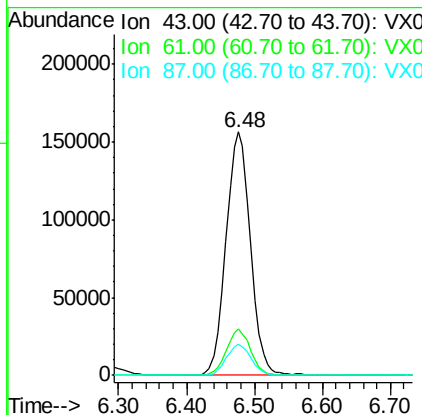
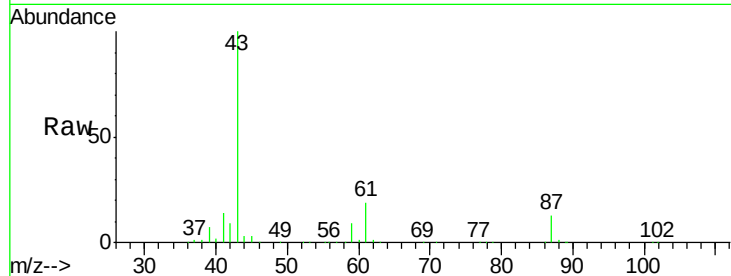
Isopropyl Acetate
 Concen: 48.94 ug/l
 RT: 6.48 min Scan# 966
 Delta R.T. 0.01 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.4	21.6
87	12.8	9.5	14.3

Manual Integrations
 APPROVED

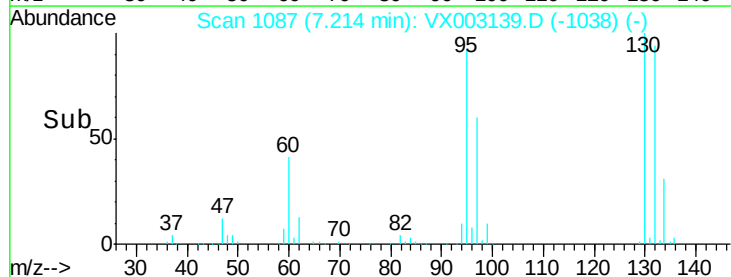
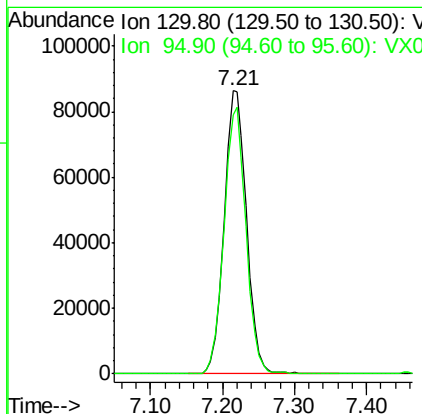
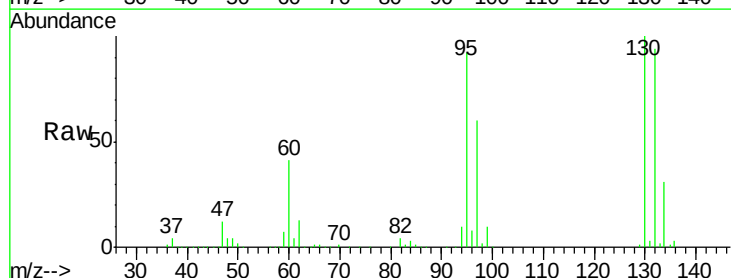
sam
 7/3/2018 3:54:09 PM

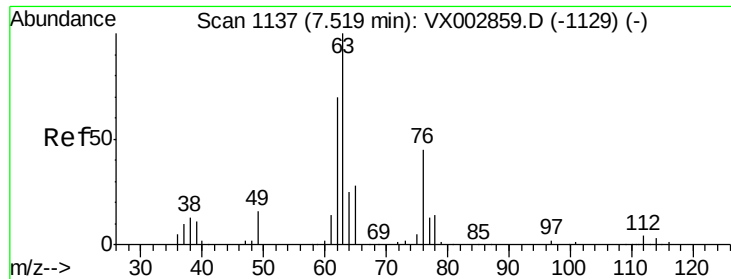


#44

Trichloroethene
 Concen: 49.33 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	185.4





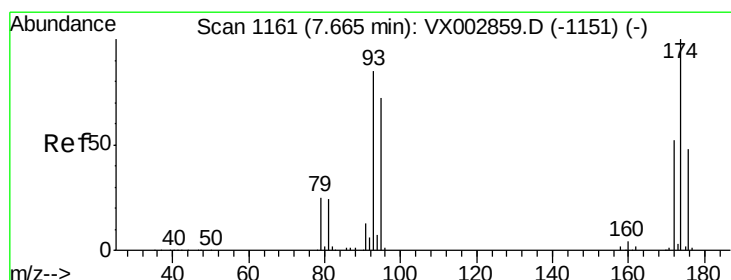
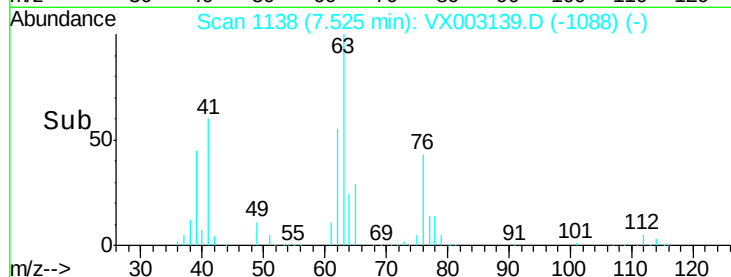
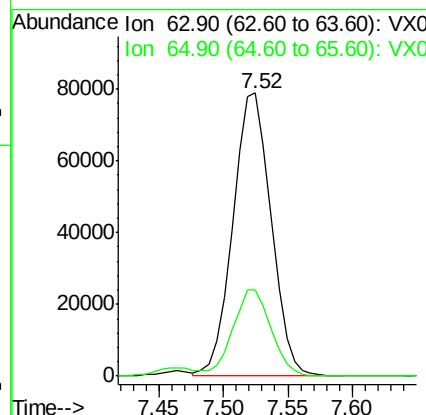
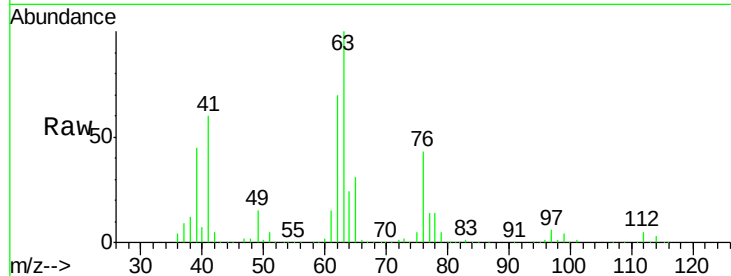
#45
 1,2-Dichloropropane
 Concen: 48.23 ug/l
 RT: 7.52 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 162484
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.7 37.1

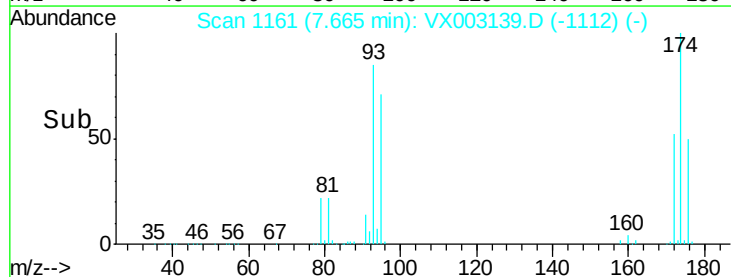
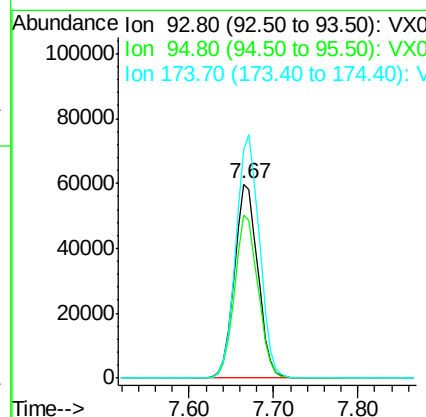
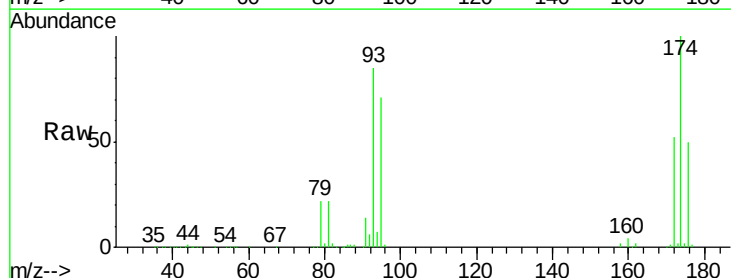
Manual Integrations
 APPROVED

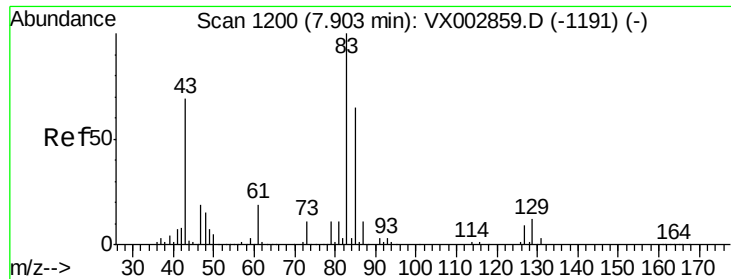
sam
 7/3/2018 3:54:09 PM



#46
 Dibromomethane
 Concen: 48.29 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion: 93 Resp: 112906
 Ion Ratio Lower Upper
 93 100
 95 84.3 65.9 98.9
 174 125.3 92.4 138.6





#47

Bromodichloromethane

Concen: 50.59 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

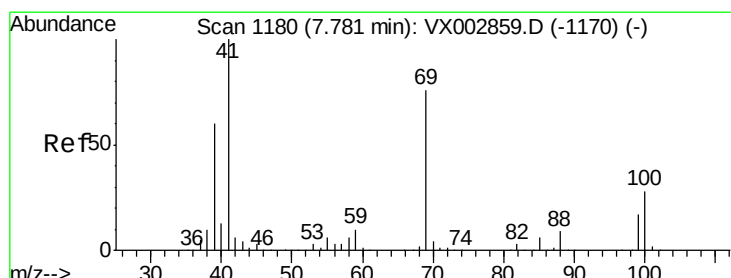
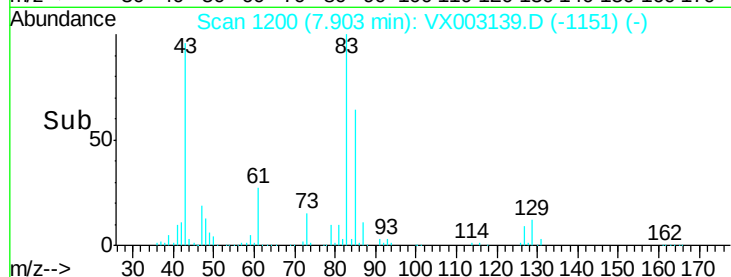
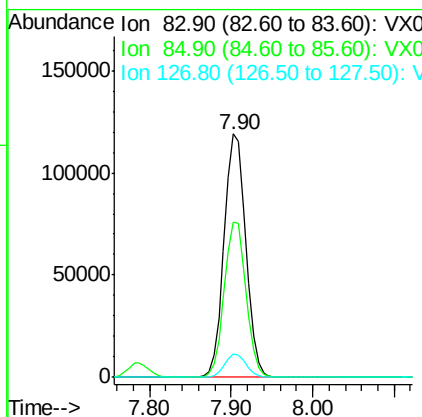
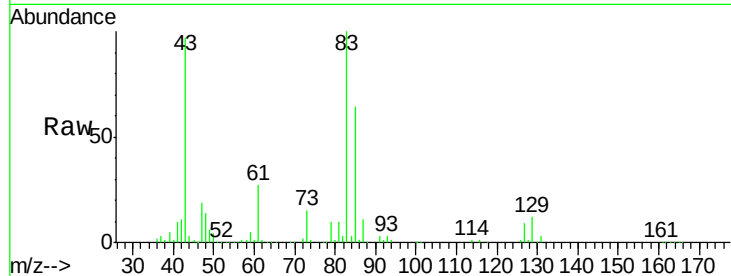
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	218681
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.3	75.5
127	9.4	7.0	10.4

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



#48

Methyl methacrylate

Concen: 49.39 ug/l

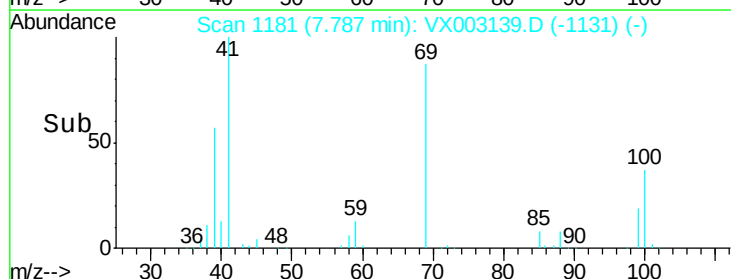
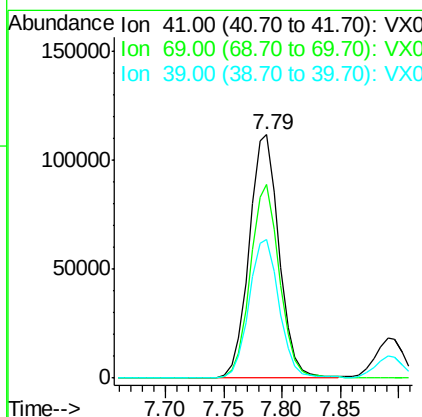
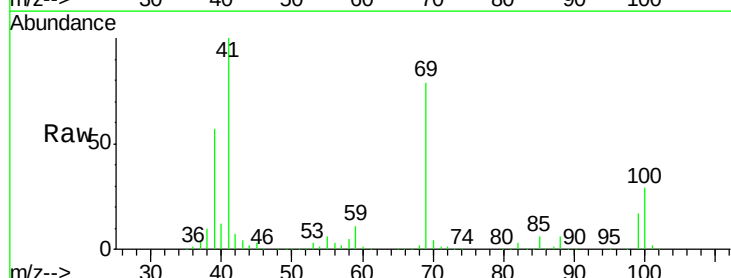
RT: 7.79 min Scan# 1181

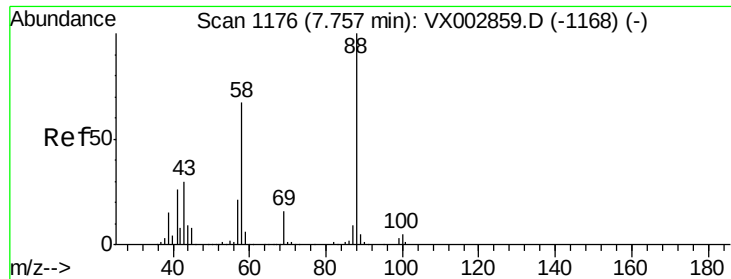
Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion:	41	Resp:	200876
Ion Ratio	Lower	Upper	
41	100		
69	78.2	59.1	88.7
39	56.9	48.9	73.3





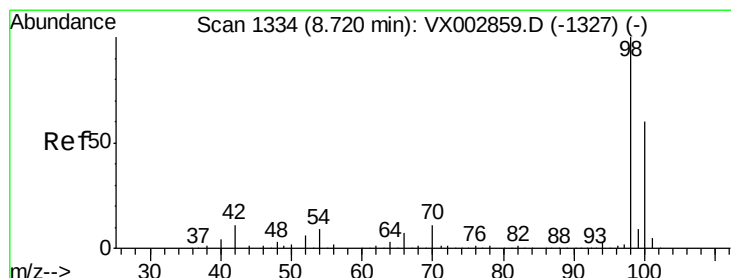
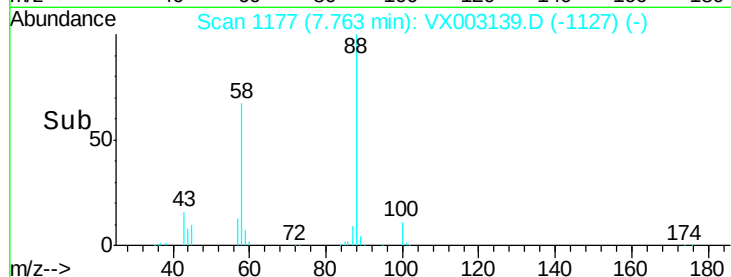
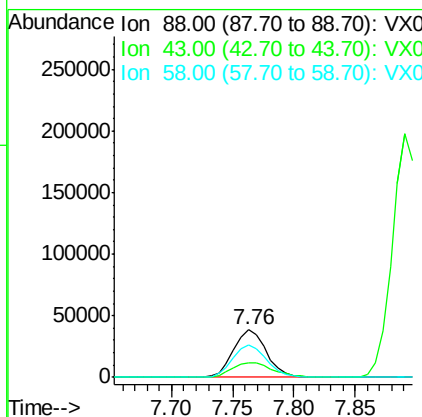
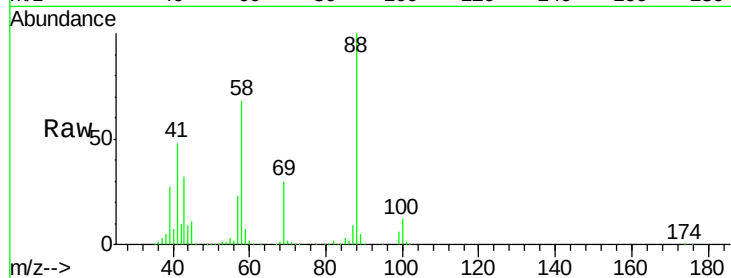
#49
1,4-Dioxane
Concen: 908.30 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.1	29.8	44.6
58	70.8	57.1	85.7

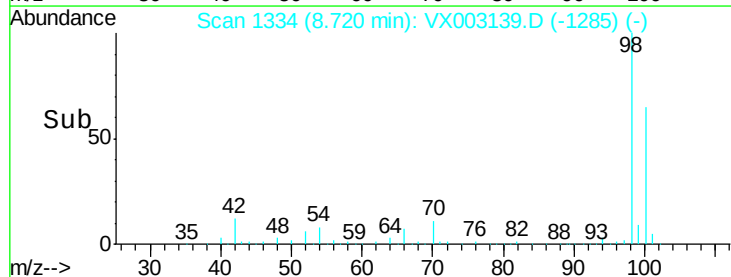
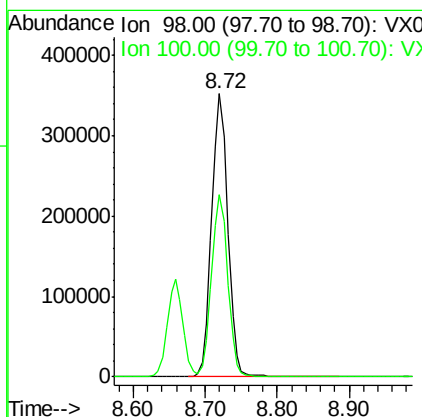
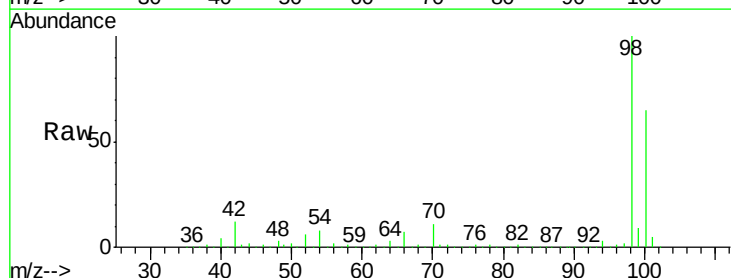
Manual Integrations
APPROVED

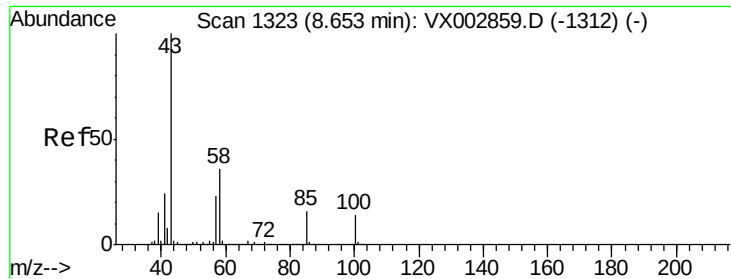
sam
7/3/2018 3:54:09 PM



#50
Toluene-d8
Concen: 47.61 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.9	76.3





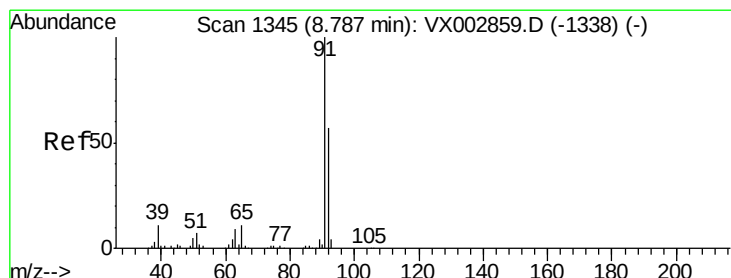
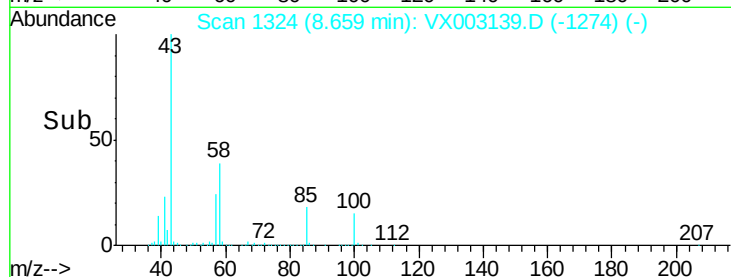
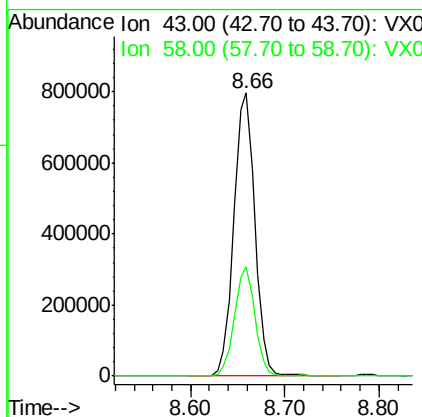
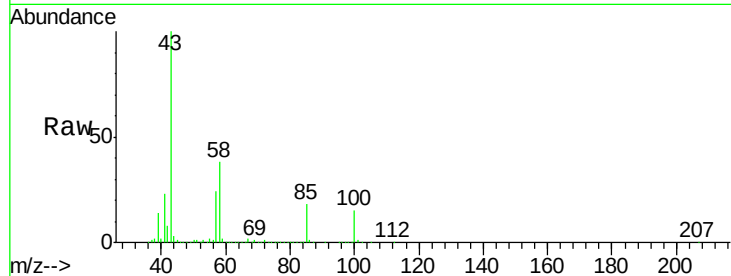
#51
 4-Methyl-2-Pentanone
 Concen: 249.34 ug/l
 RT: 8.66 min Scan# 1324
 Delta R.T. 0.01 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1231335
 Ion Ratio Lower Upper
 43 100
 58 37.5 28.6 42.8

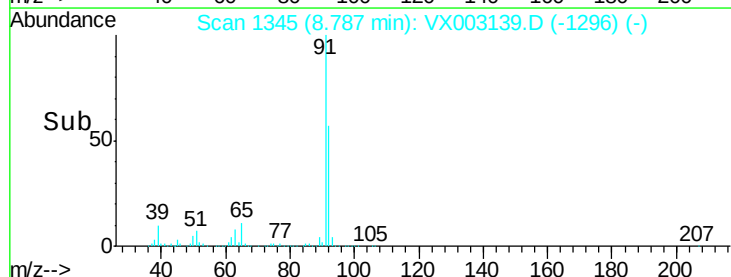
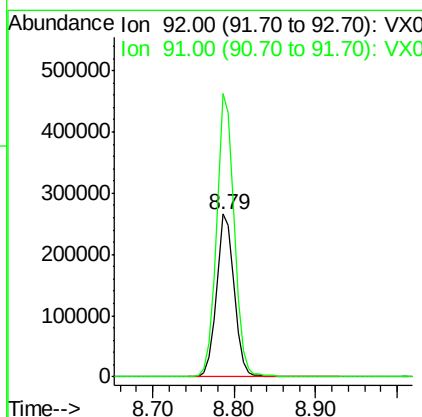
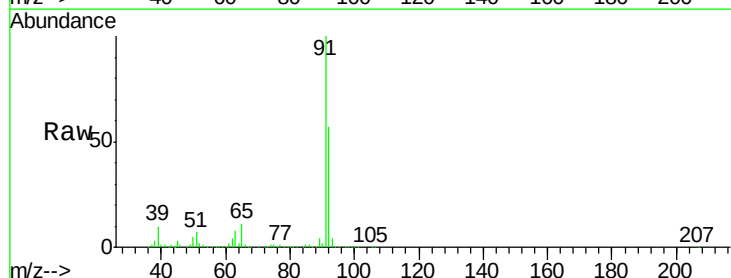
Manual Integrations
 APPROVED

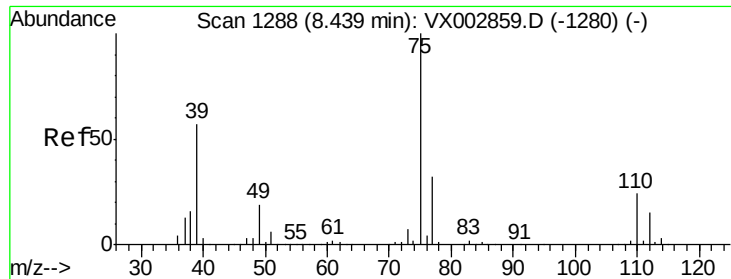
sam
 7/3/2018 3:54:09 PM



#52
 Toluene
 Concen: 50.34 ug/l
 RT: 8.79 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion: 92 Resp: 409594
 Ion Ratio Lower Upper
 92 100
 91 174.0 140.4 210.6





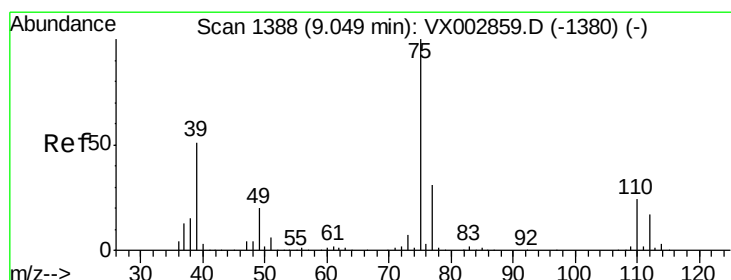
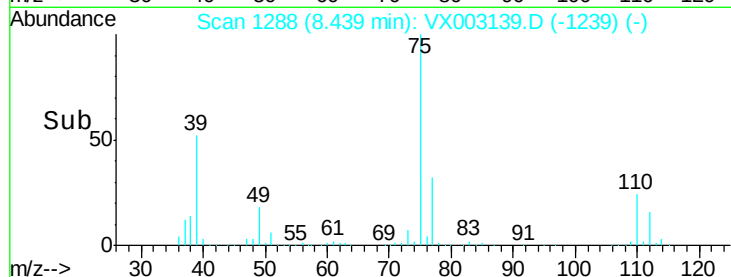
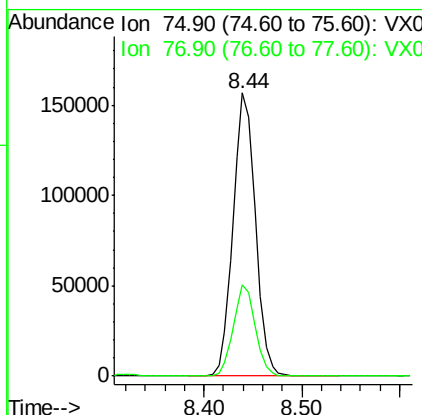
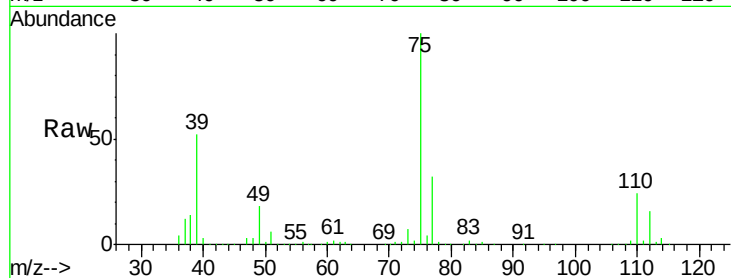
#53
t-1,3-Dichloropropene
Concen: 50.85 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 248918
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

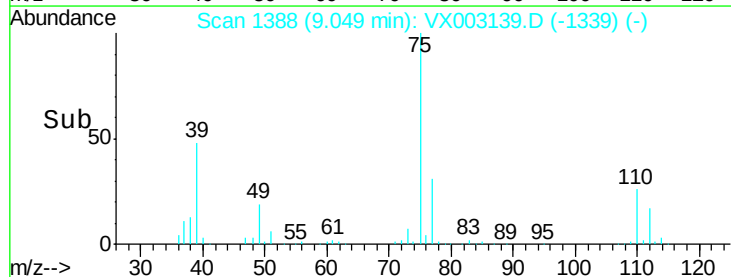
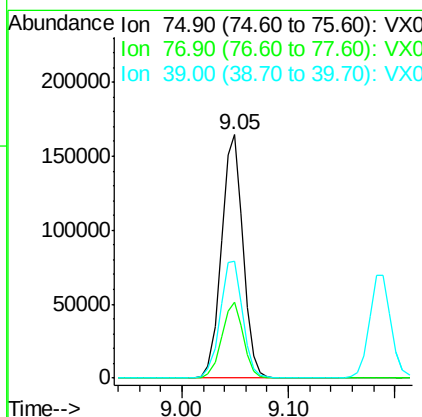
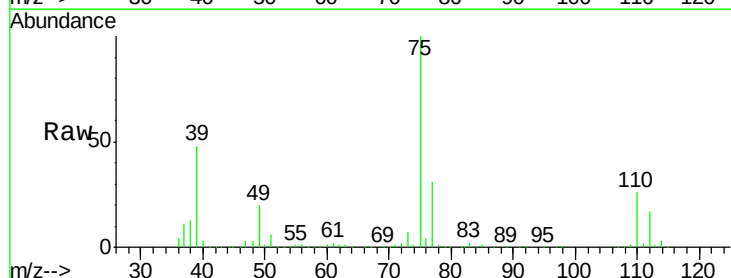
Manual Integrations
APPROVED

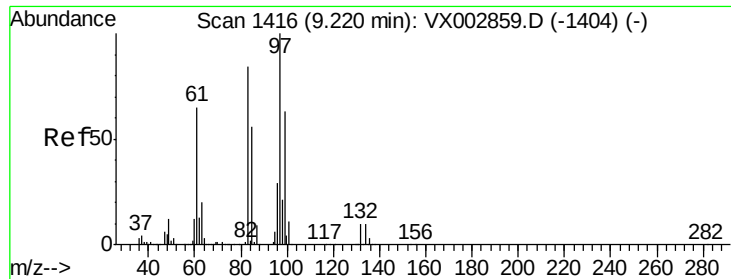
sam
7/3/2018 3:54:09 PM



#54
cis-1,3-Dichloropropene
Concen: 49.34 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 75 Resp: 232367
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 47.7 42.4 63.6





#55

1,1,2-Trichloroethane

Concen: 50.29 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

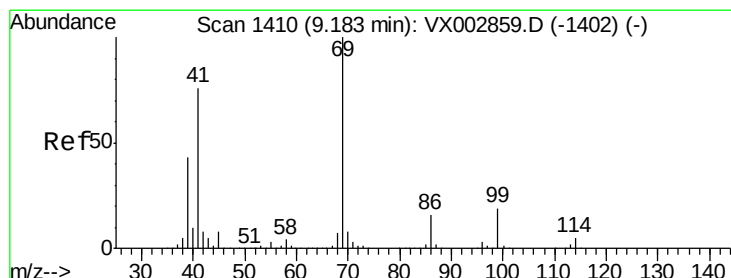
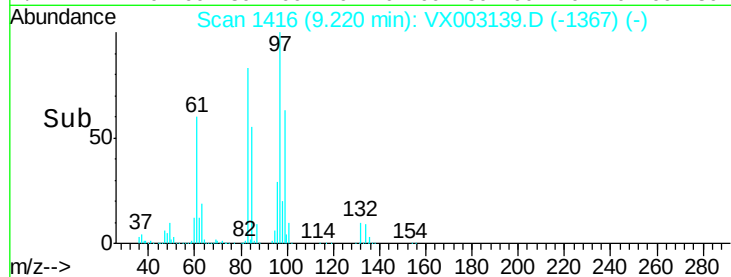
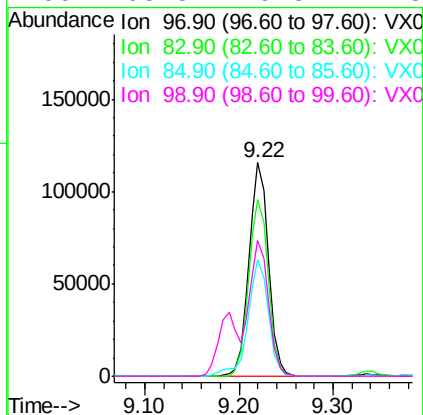
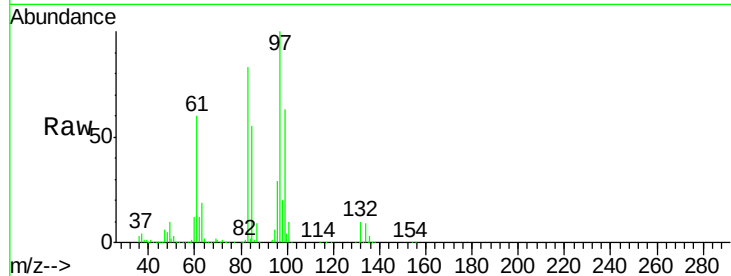
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		168116		
83	82.9		70.2	105.2	
85	54.7		44.9	67.3	
99	63.3		49.8	74.8	

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



#56

Ethyl methacrylate

Concen: 52.86 ug/l

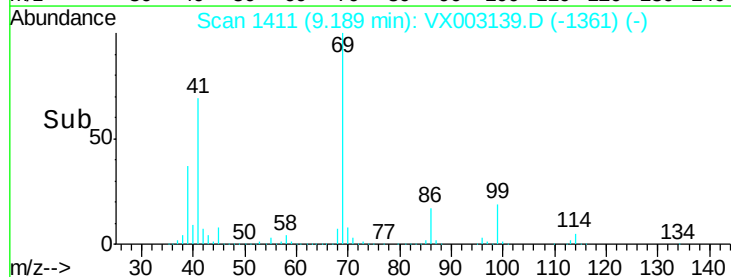
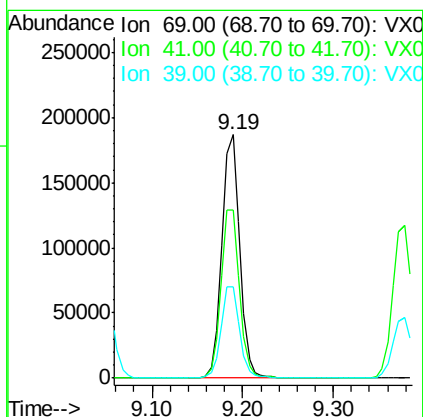
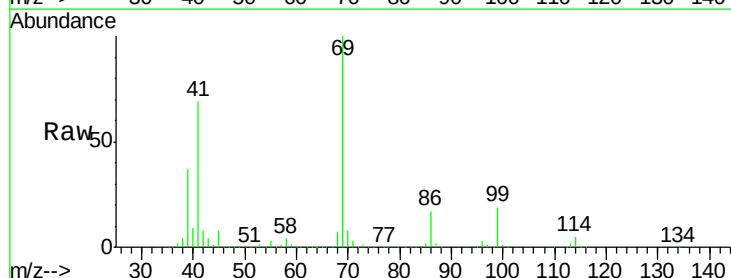
RT: 9.19 min Scan# 1411

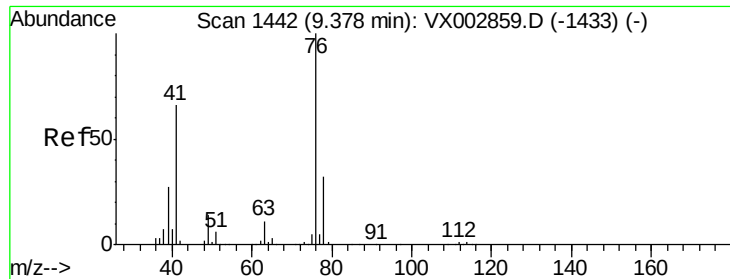
Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		258265		
41	71.3		60.3	90.5	
39	38.4		35.8	53.8	





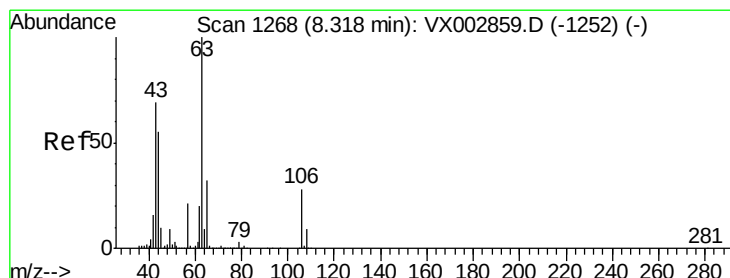
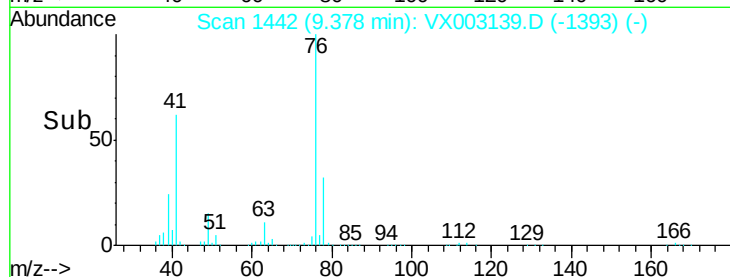
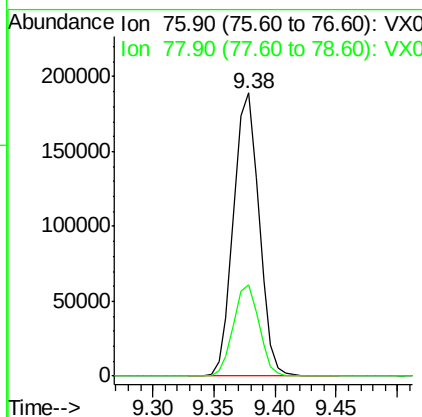
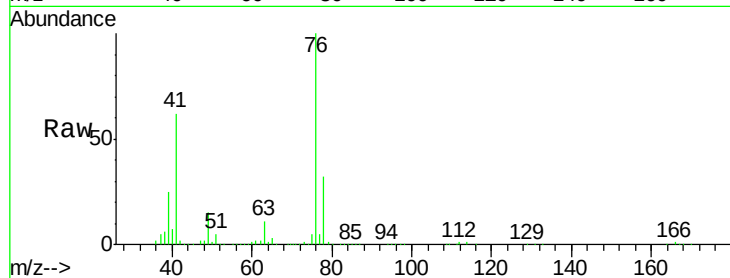
#57
 1,3-Dichloropropane
 Concen: 49.74 ug/l
 RT: 9.38 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.6

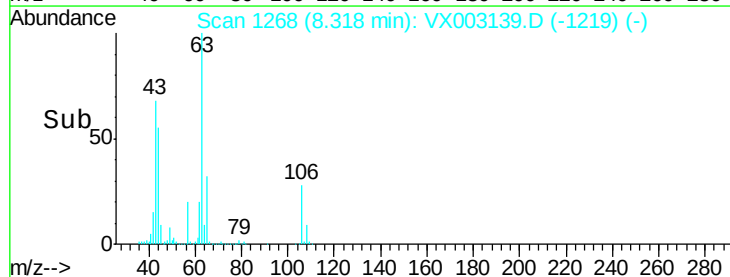
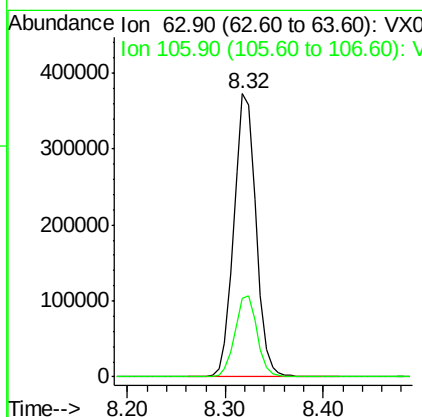
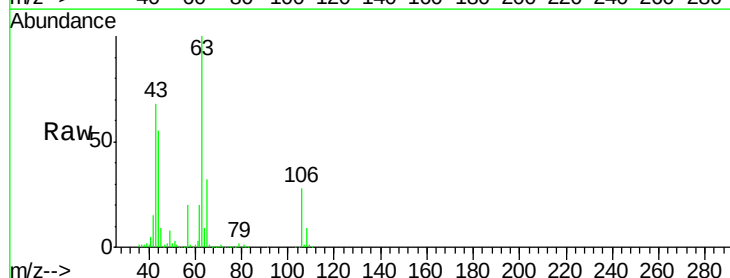
Manual Integrations
 APPROVED

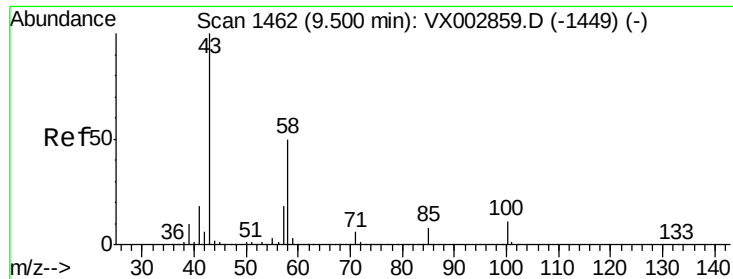
sam
 7/3/2018 3:54:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.31 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	21.8	32.8





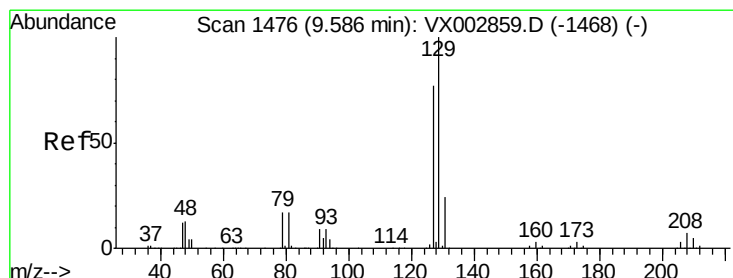
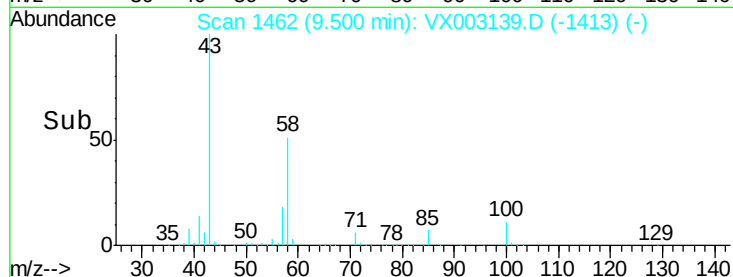
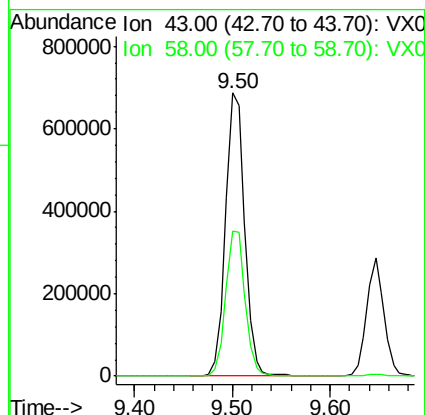
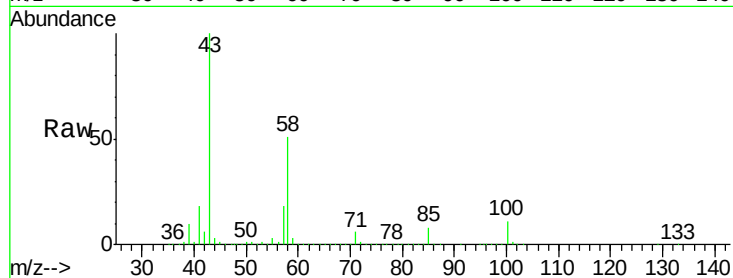
#59
2-Hexanone
Concen: 248.82 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 933868
Ion Ratio Lower Upper
43 100
58 52.0 24.6 73.6

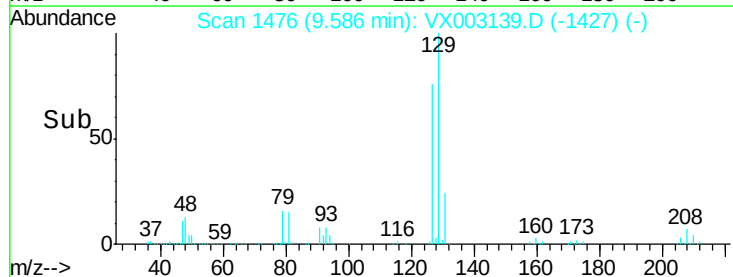
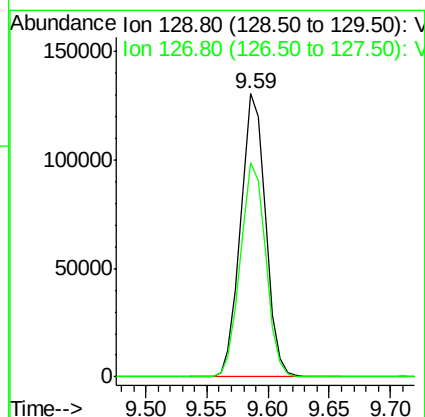
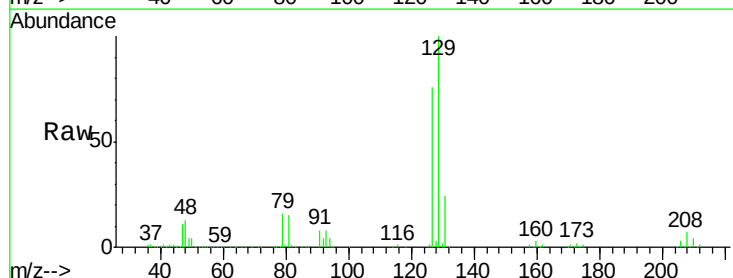
Manual Integrations
APPROVED

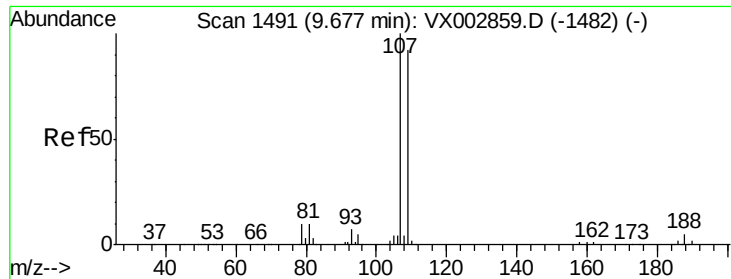
sam
7/3/2018 3:54:09 PM



#60
Dibromochloromethane
Concen: 52.28 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion: 129 Resp: 183990
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 51.37 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 180156

Ion Ratio Lower Upper

107 100

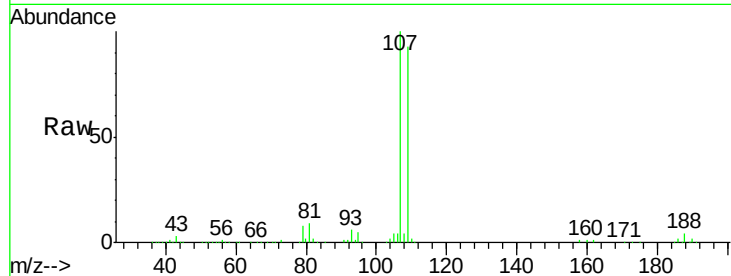
109 94.0 75.3 112.9

Manual Integrations

APPROVED

sam

7/3/2018 3:54:09 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

150000

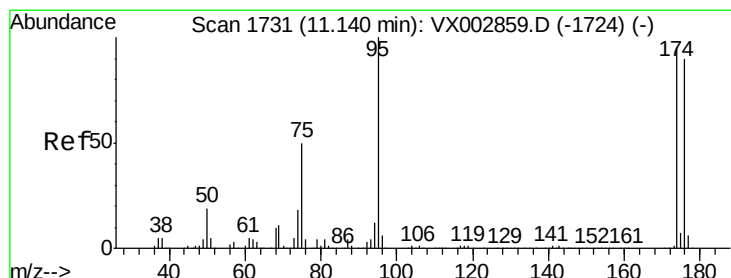
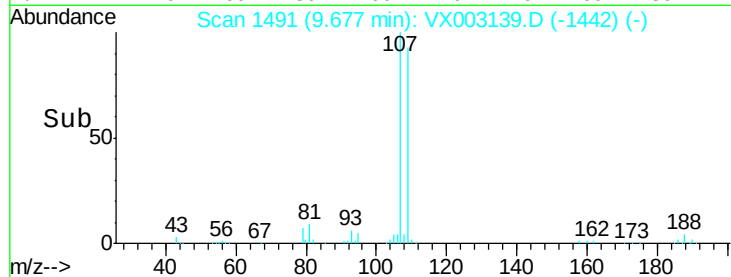
100000

50000

0

9.60 9.65 9.70 9.75 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 47.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

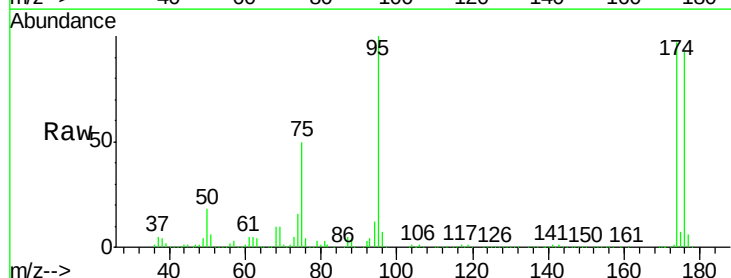
Tgt Ion: 95 Resp: 213279

Ion Ratio Lower Upper

95 100

174 97.9 0.0 187.4

176 94.8 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

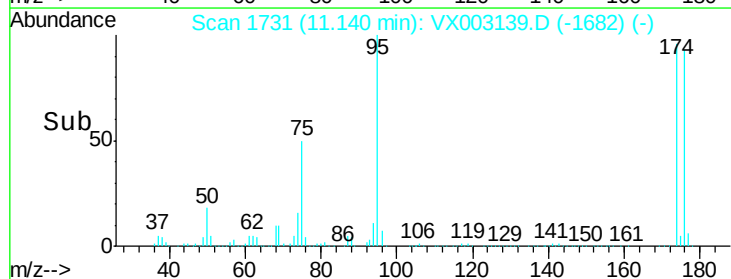
100000

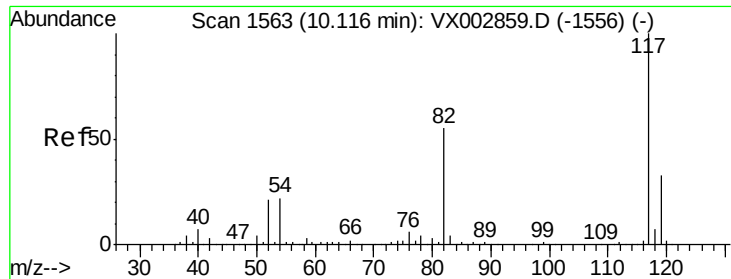
50000

0

11.10 11.20

Time-->





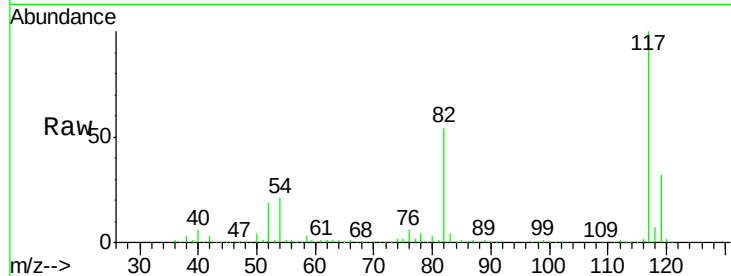
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

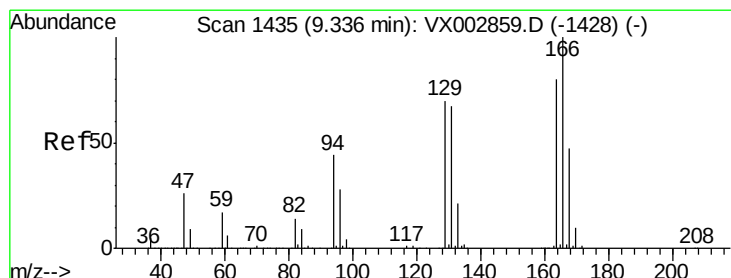
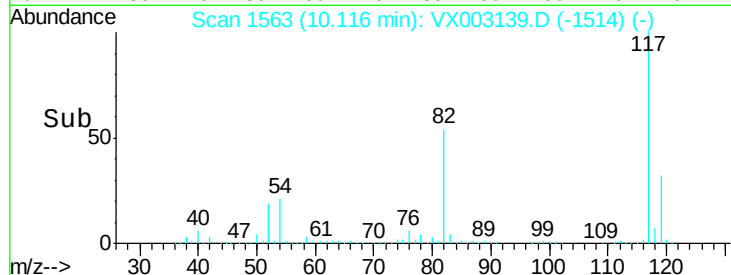
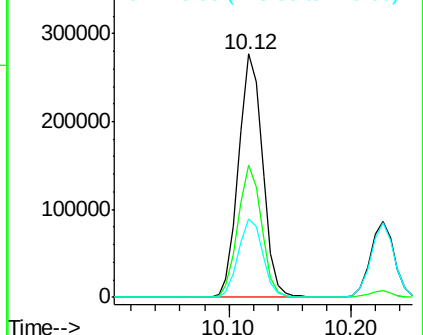
Tot Ion	Ratio	Resp	Lower	Upper
117	100	376697		
82	54.3	45.0	67.4	
119	32.2	25.8	38.6	

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



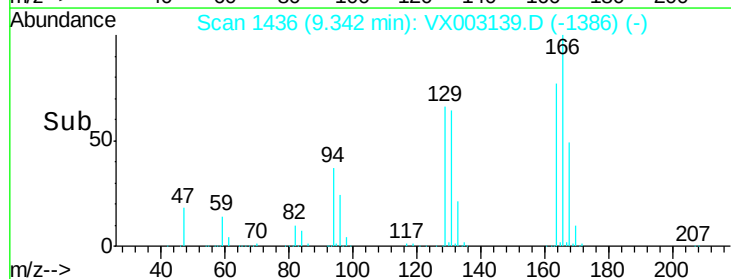
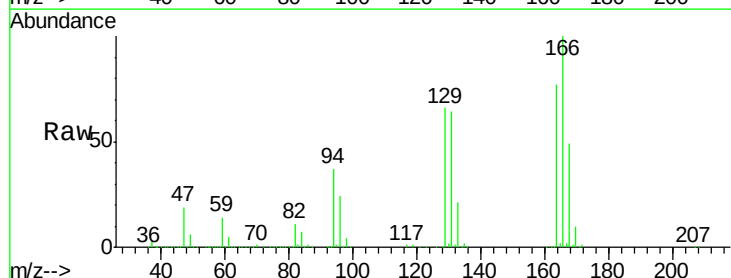
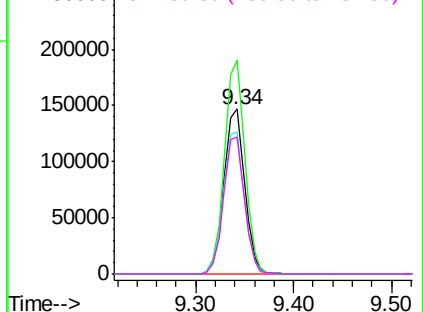
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

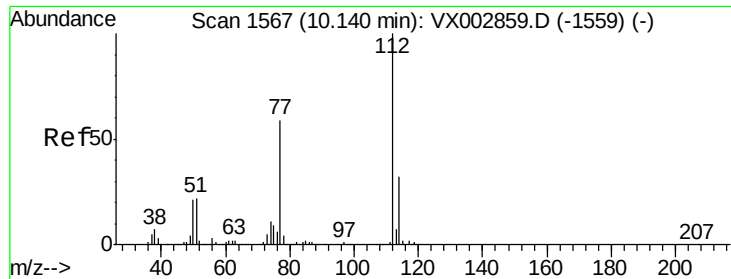


#64
Tetrachloroethene
Concen: 51.63 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.01 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	216240		
166	129.8	102.9	154.3	
129	86.0	68.6	102.8	
131	82.9	66.8	100.2	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





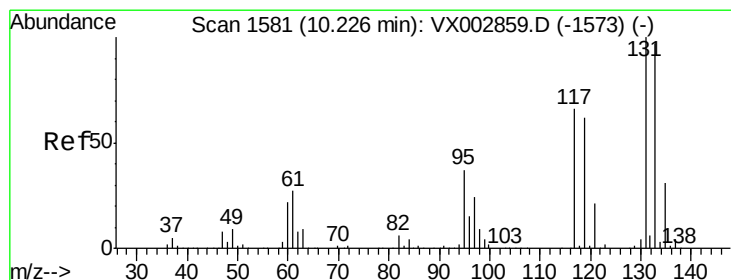
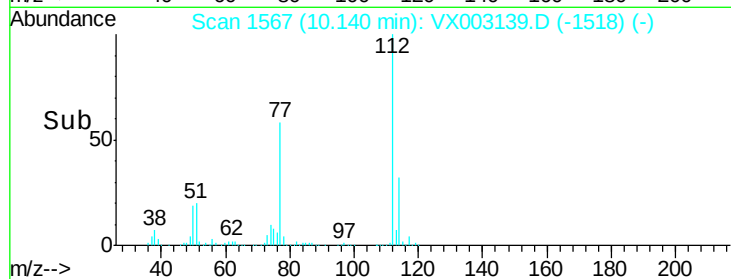
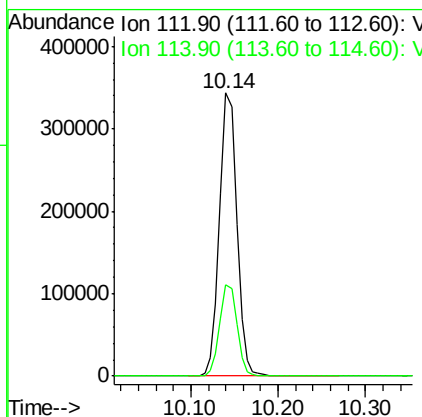
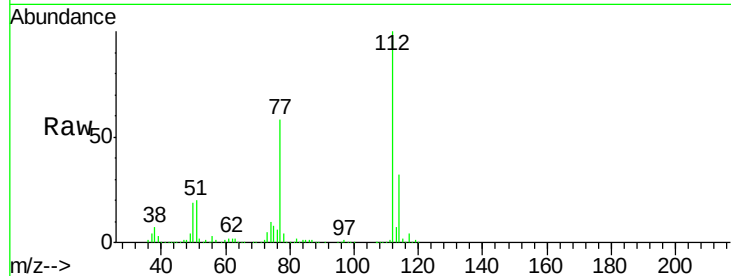
#65
Chlorobenzene
Concen: 49.43 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 472946
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

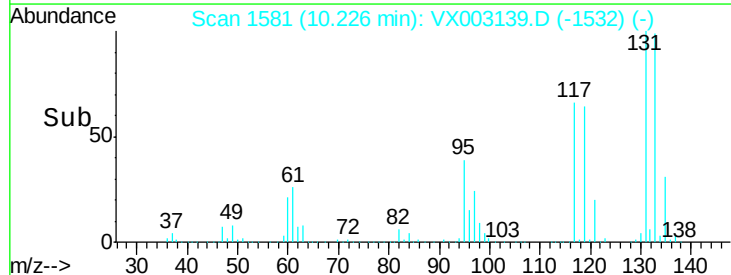
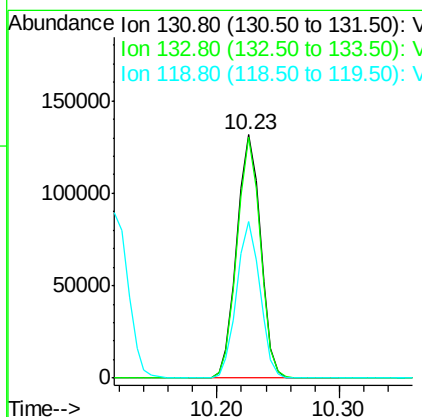
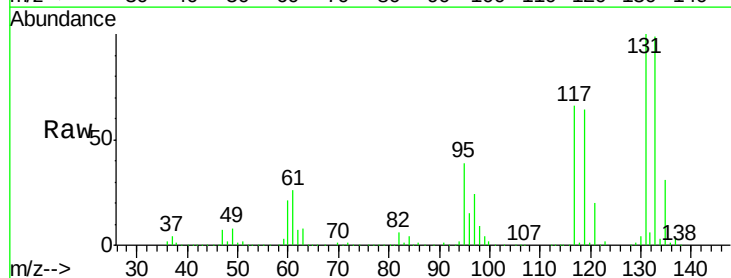
Manual Integrations
APPROVED

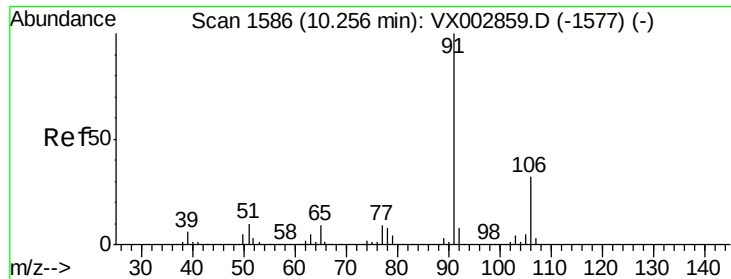
sam
7/3/2018 3:54:09 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.70 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion:131 Resp: 176209
Ion Ratio Lower Upper
131 100
133 96.8 47.9 143.6
119 63.2 31.8 95.3





#67

Ethyl Benzene

Concen: 50.50 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 798162

Ion Ratio Lower Upper

91 100

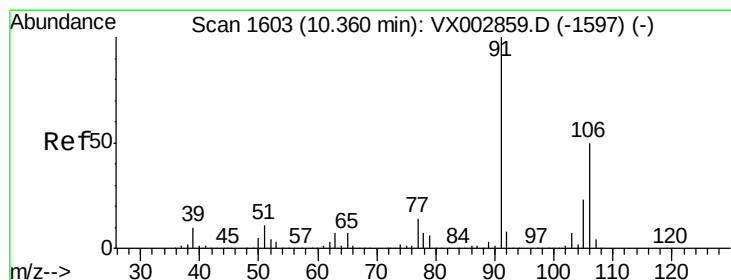
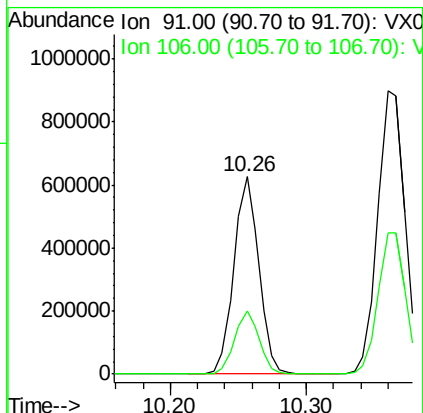
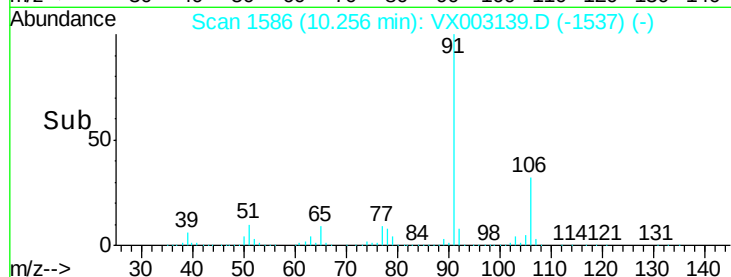
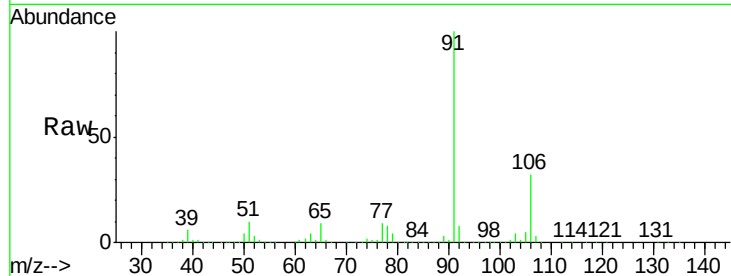
106 32.1 25.5 38.3

Manual Integrations

APPROVED

sam

7/3/2018 3:54:09 PM



#68

m/p-Xylenes

Concen: 103.58 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX003139.D

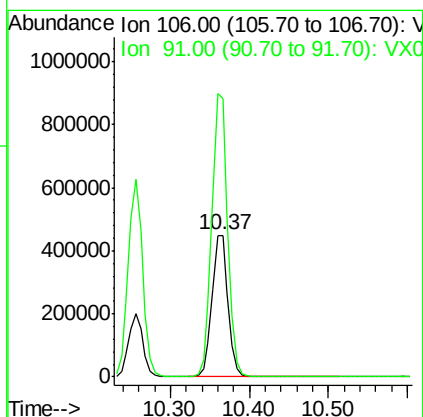
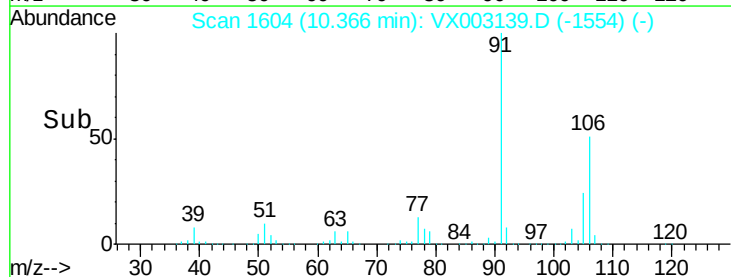
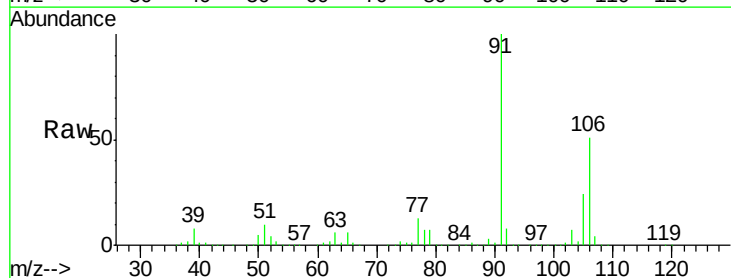
Acq: 02 Jul 2018 20:38

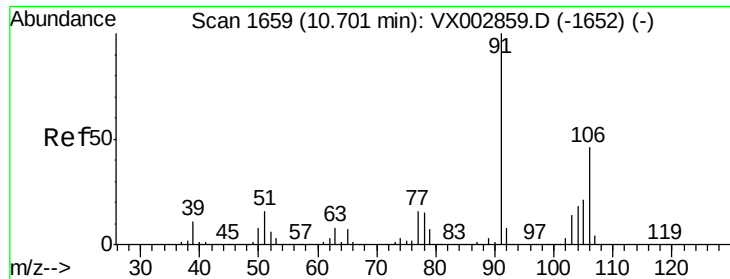
Tgt Ion: 106 Resp: 630939

Ion Ratio Lower Upper

106 100

91 198.6 163.4 245.2





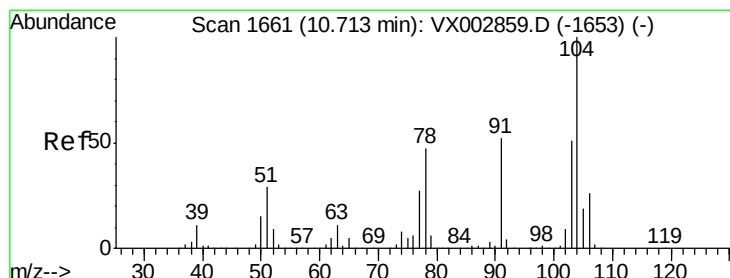
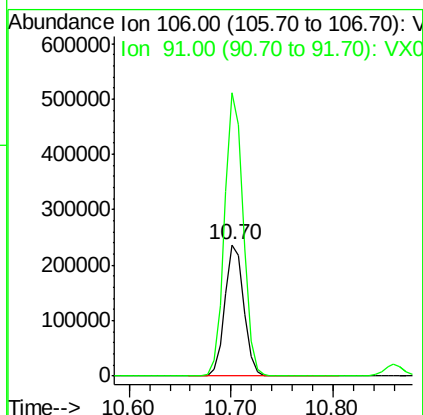
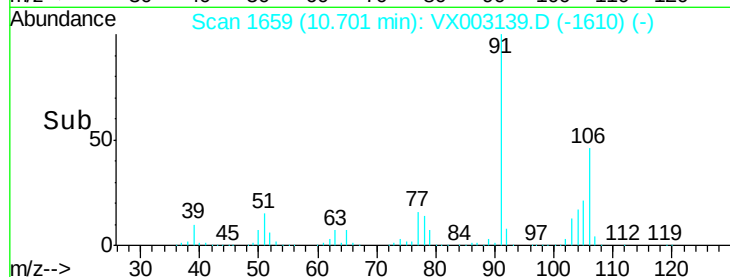
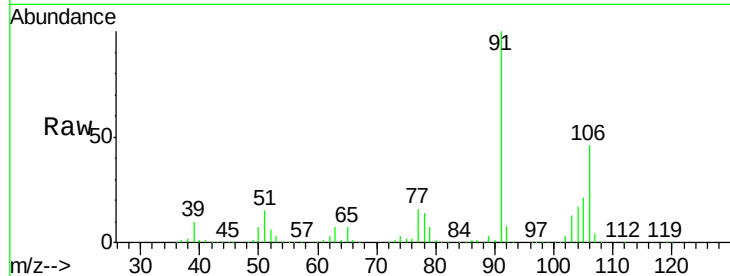
#69
o-Xylene
Concen: 51.35 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 304593
Ion Ratio Lower Upper
106 100
91 213.3 108.2 324.6

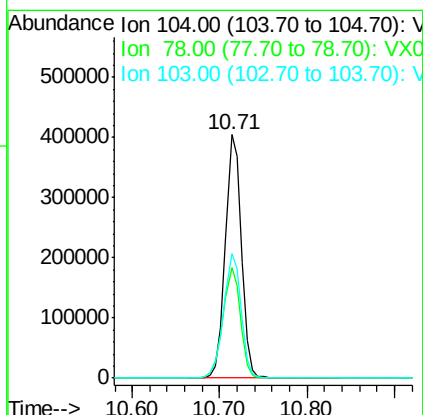
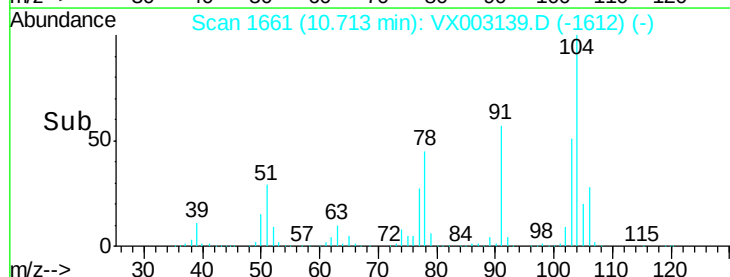
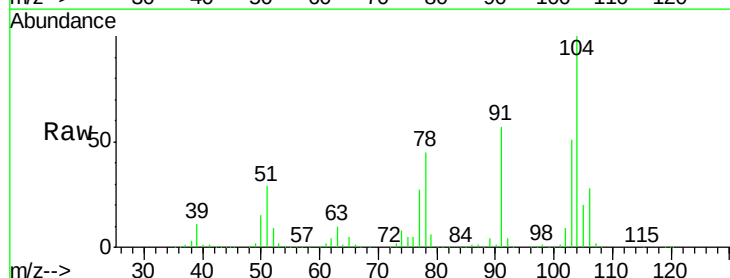
Manual Integrations
APPROVED

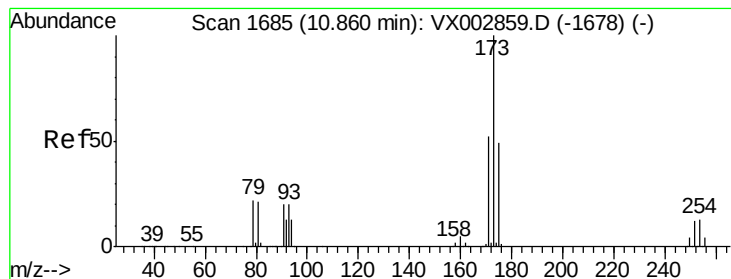
sam
7/3/2018 3:54:09 PM



#70
Styrene
Concen: 53.10 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion:104 Resp: 511763
Ion Ratio Lower Upper
104 100
78 49.3 41.0 61.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 47.27 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

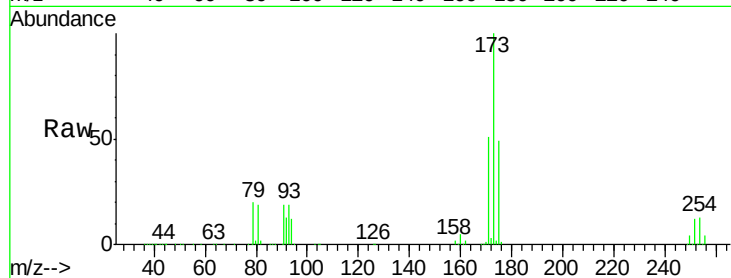
ClientSampleId :

VSTDCCC050EC

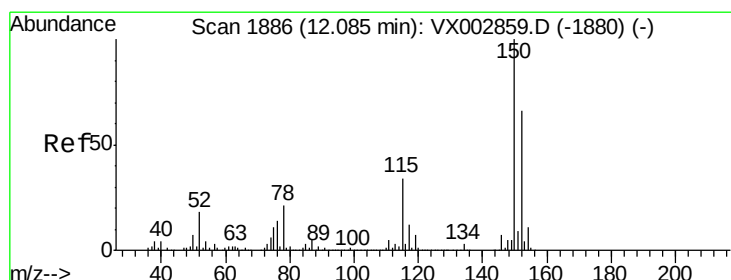
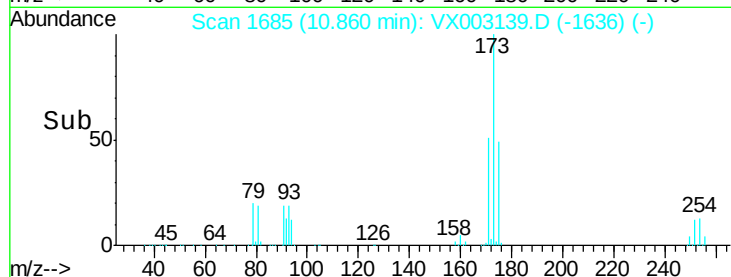
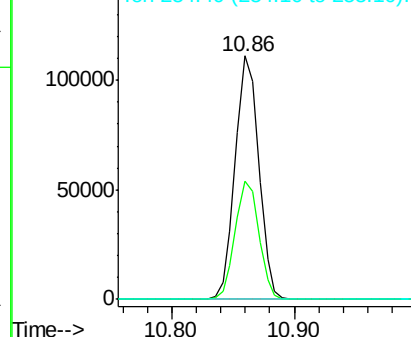
Tot Ion:	173	Resp:	147727
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.7	74.1
254	0.2	0.2	0.2

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

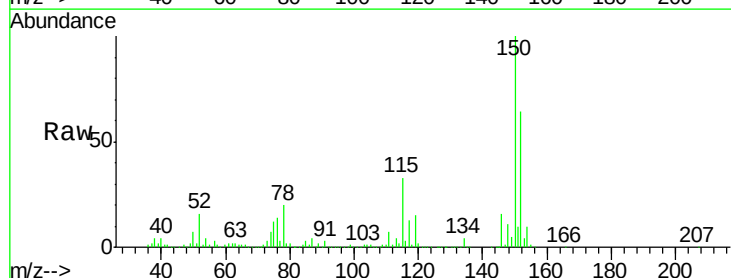
RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

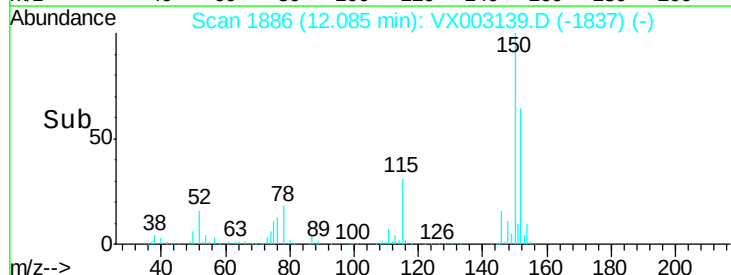
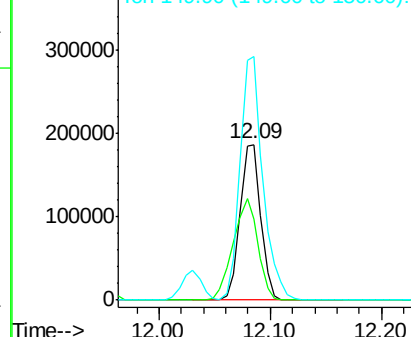
Lab File: VX003139.D

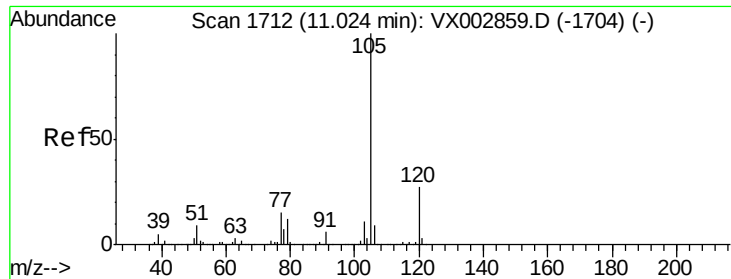
Acq: 02 Jul 2018 20:38

Tgt Ion:	152	Resp:	239178
Ion Ratio	Lower	Upper	
152	100		
115	77.6	40.1	120.2
150	172.6	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.19 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 823655

Ion Ratio Lower Upper

105 100

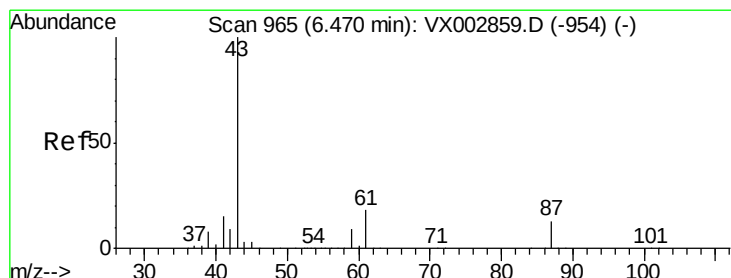
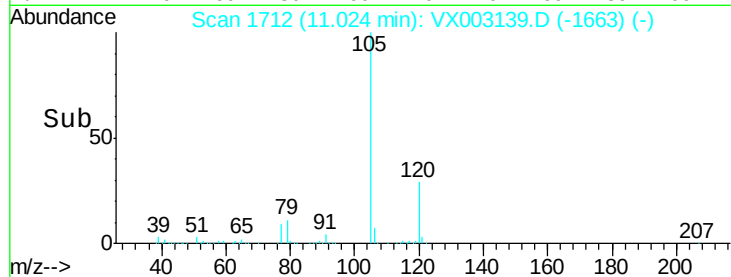
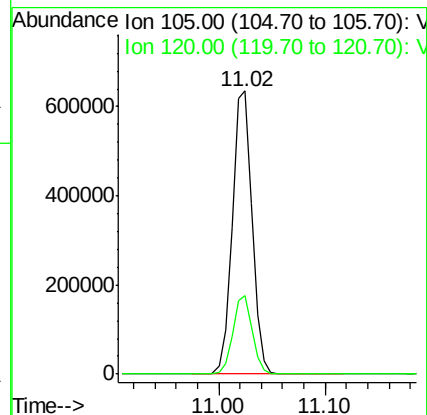
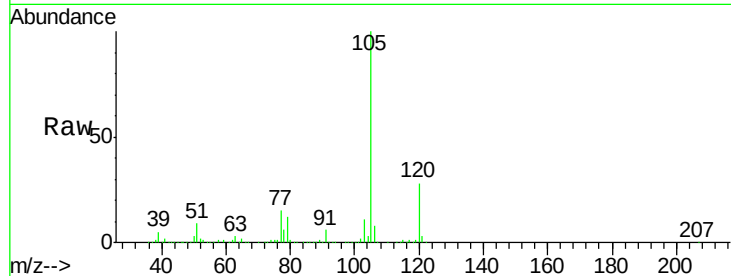
120 27.3 13.5 40.4

Manual Integrations

APPROVED

sam

7/3/2018 3:54:09 PM



#74

N-ethyl acetate

Concen: 49.07 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion: 43 Resp: 386319

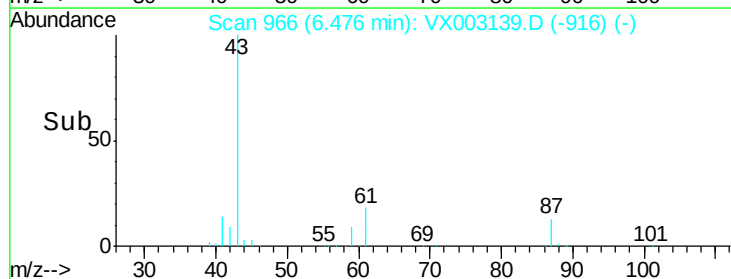
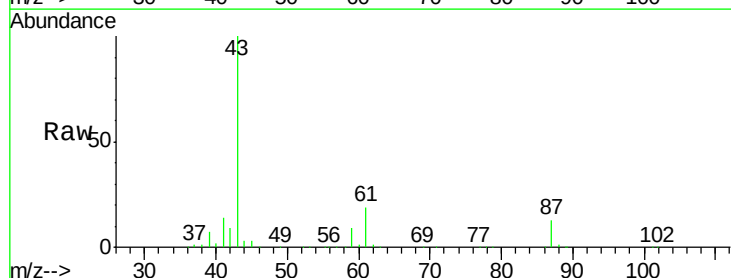
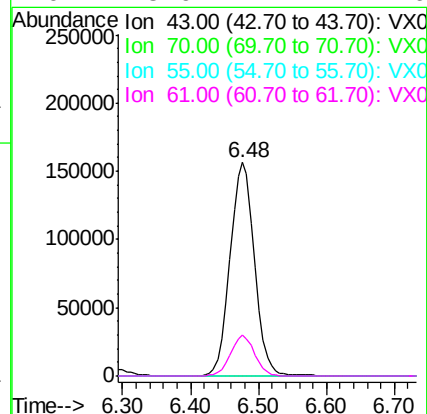
Ion Ratio Lower Upper

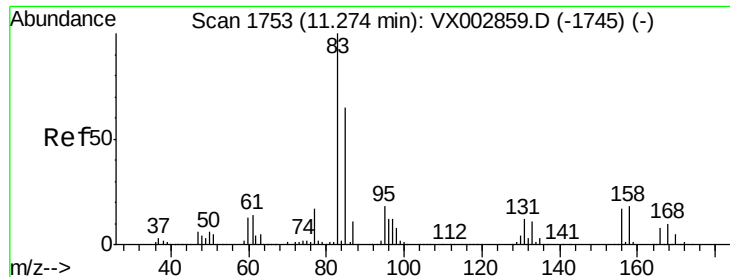
43 100

70 0.0 0.0 0.0#

55 0.0 0.0 0.0#

61 18.9 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.55 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

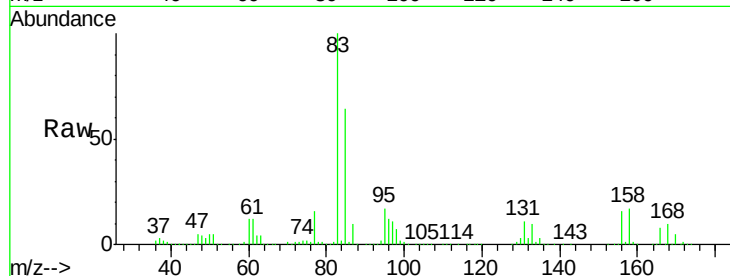
ClientSampleId :

VSTDCCC050EC

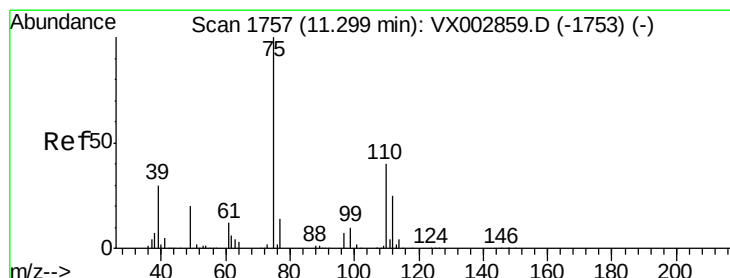
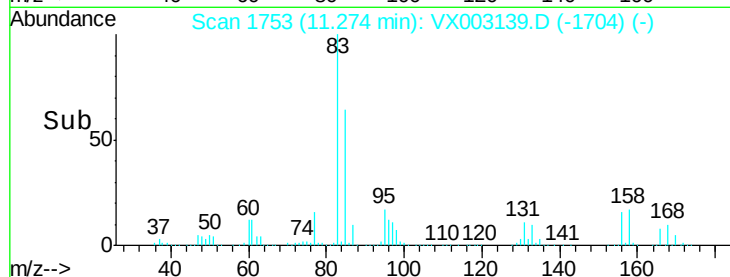
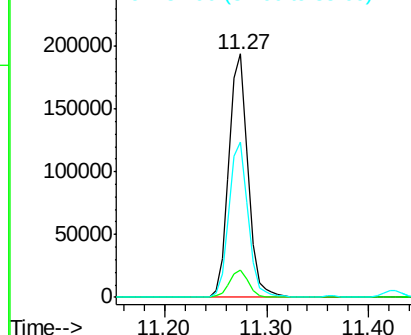
Tot Ion:	83	Resp:	250565
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	64.2	32.4	97.2

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 56.96 ug/l m

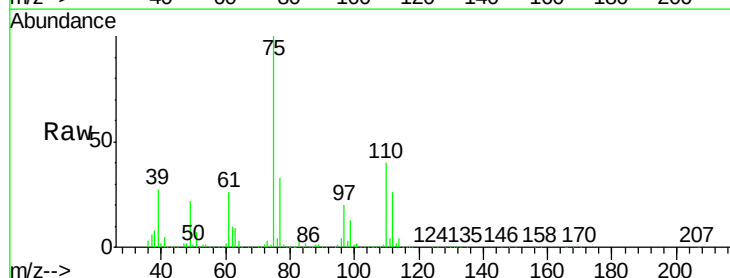
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

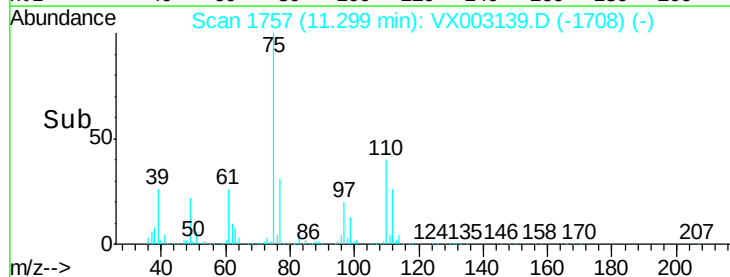
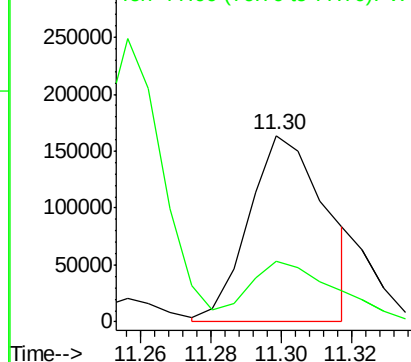
Lab File: VX003139.D

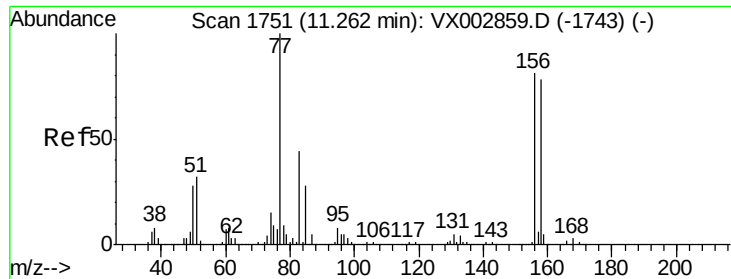
Acq: 02 Jul 2018 20:38

Tgt Ion:	75	Resp:	246753
Ion Ratio	Lower	Upper	
75	100		
77	37.2	22.8	68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.28 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

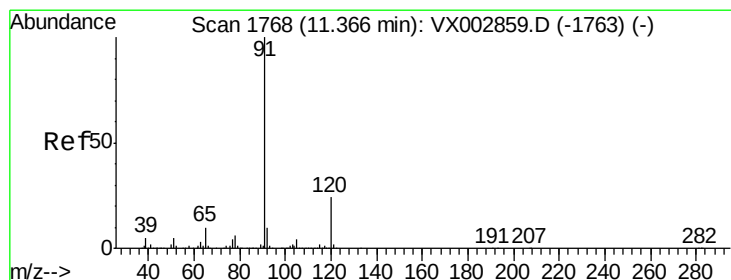
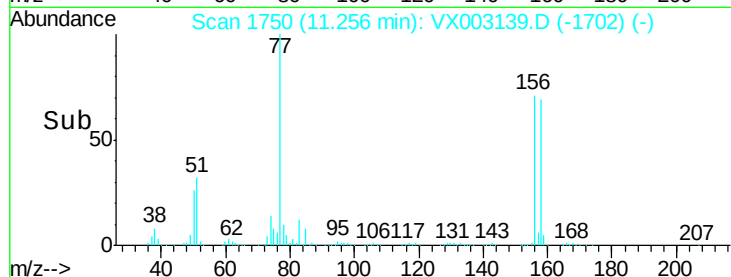
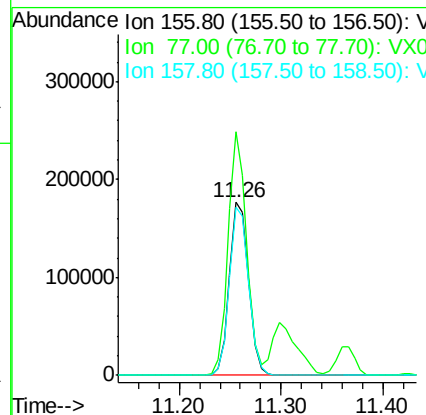
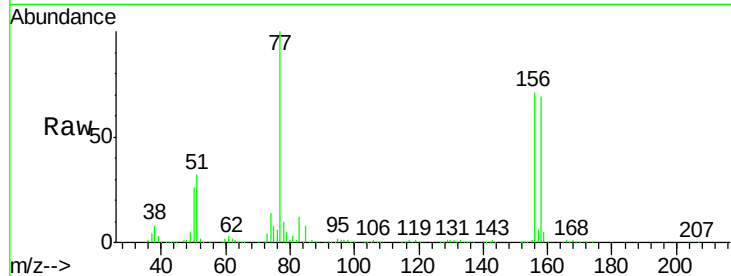
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.4	71.4	214.2
158	97.6	48.9	146.6

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



#78

n-propylbenzene

Concen: 50.63 ug/l

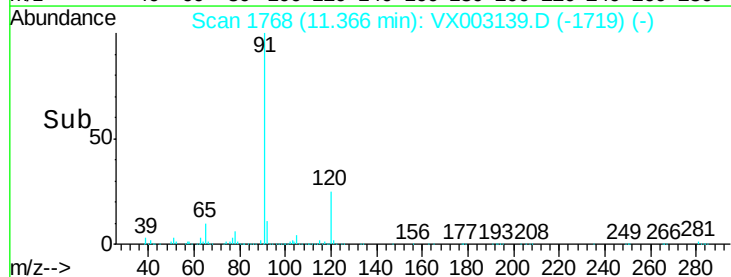
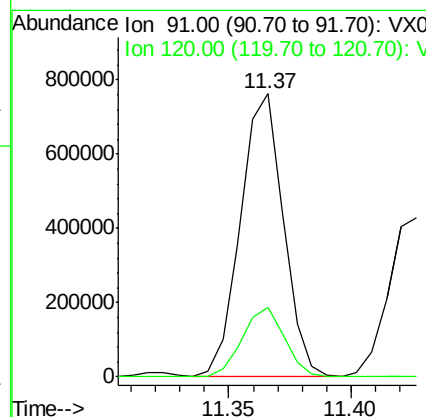
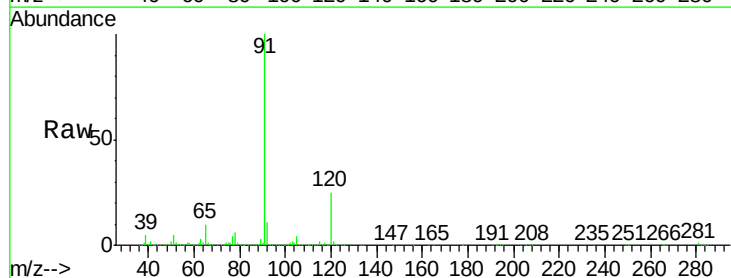
RT: 11.37 min Scan# 1768

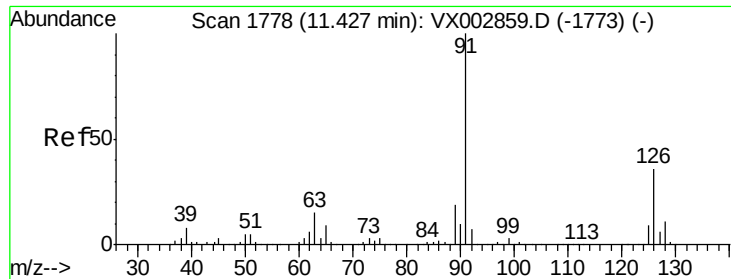
Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	11.8	35.4





#79

2-Chlorotoluene

Concen: 49.53 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 549254

Ion Ratio Lower Upper

91 100

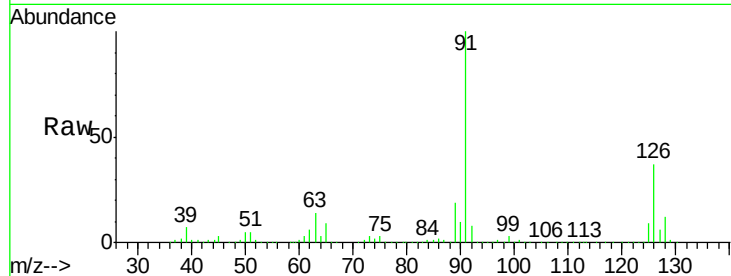
126 36.4 17.7 53.1

Manual Integrations

APPROVED

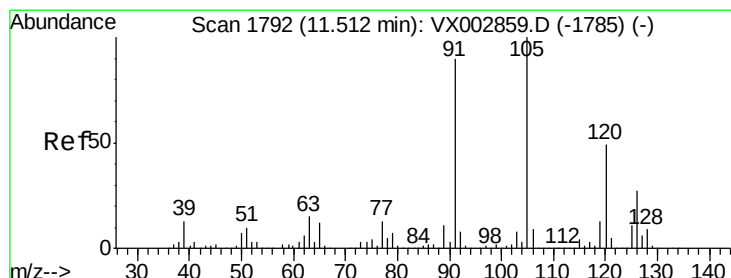
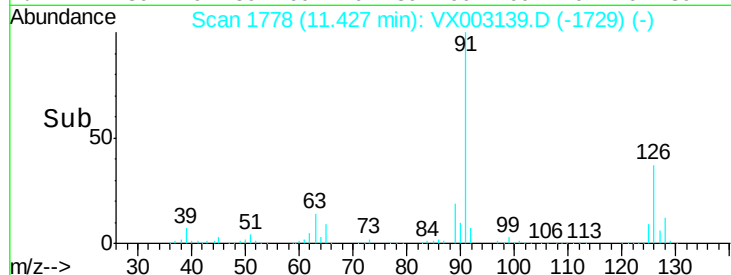
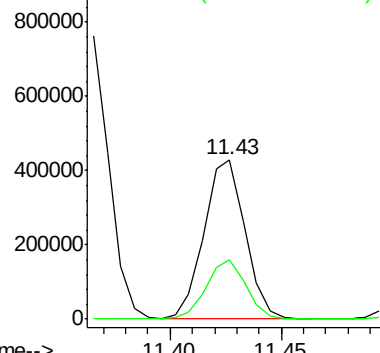
sam

7/3/2018 3:54:09 PM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 50.87 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003139.D

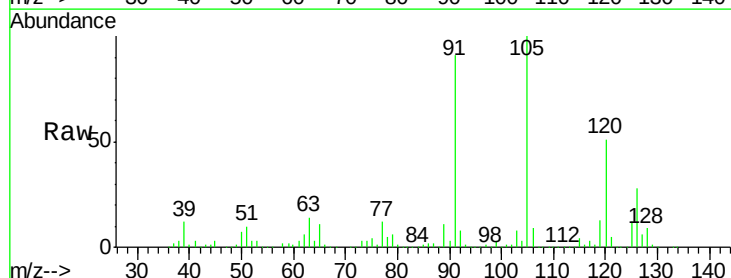
Acq: 02 Jul 2018 20:38

Tgt Ion: 105 Resp: 689369

Ion Ratio Lower Upper

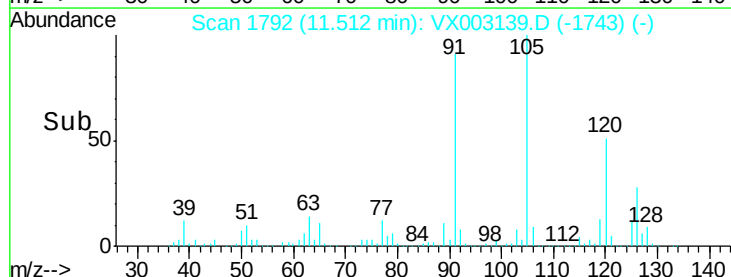
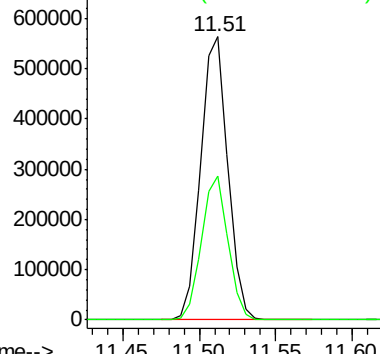
105 100

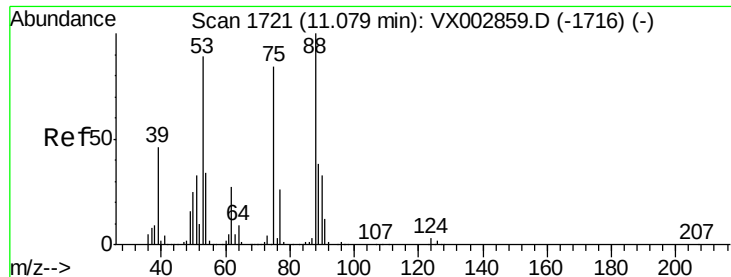
120 49.7 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 43.74 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 64641

Ion Ratio Lower Upper

75 100

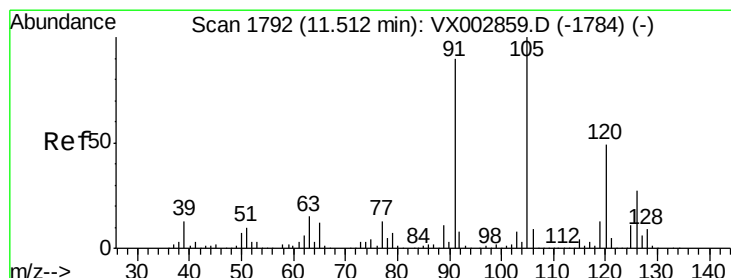
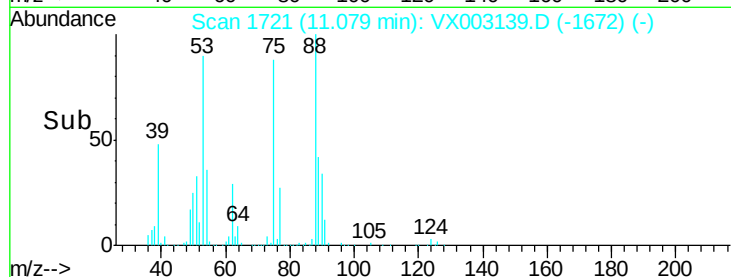
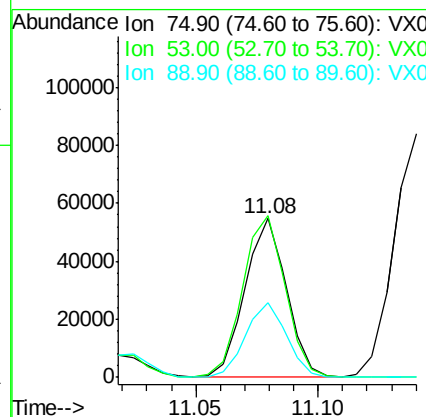
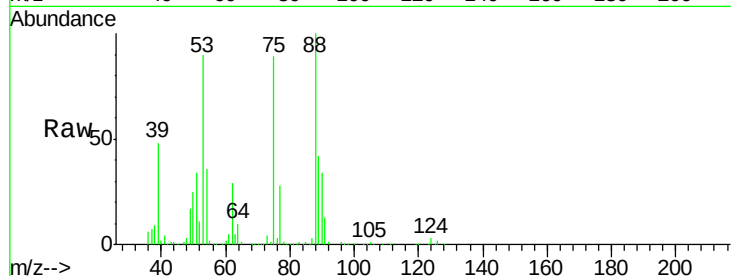
53 105.5 86.8 130.2

89 46.8 38.2 57.2

Manual Integrations
APPROVED

sam

7/3/2018 3:54:09 PM



#82

4-Chlorotoluene

Concen: 49.42 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX003139.D

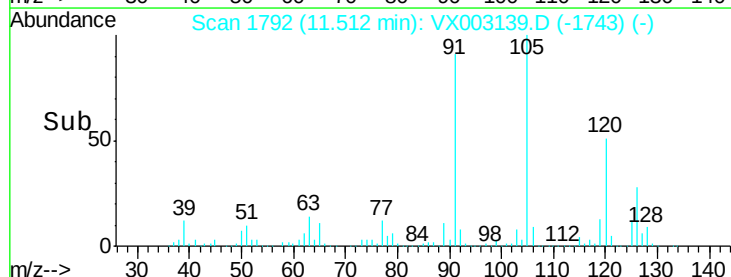
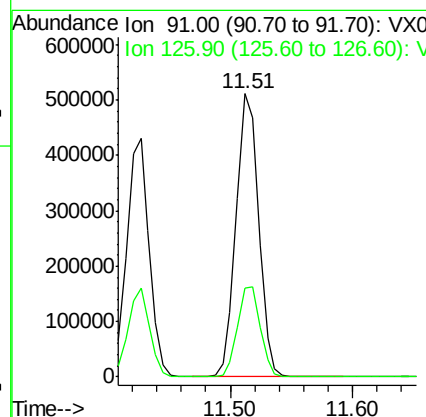
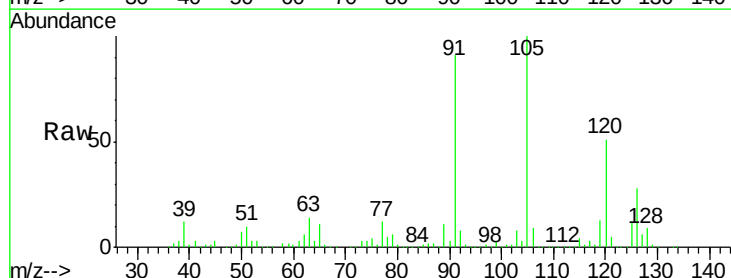
Acq: 02 Jul 2018 20:38

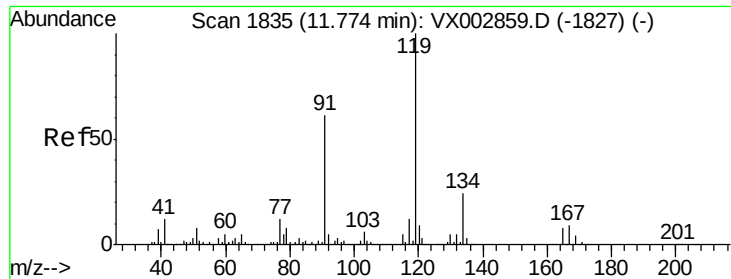
Tgt Ion: 91 Resp: 648781

Ion Ratio Lower Upper

91 100

126 32.2 15.4 46.4





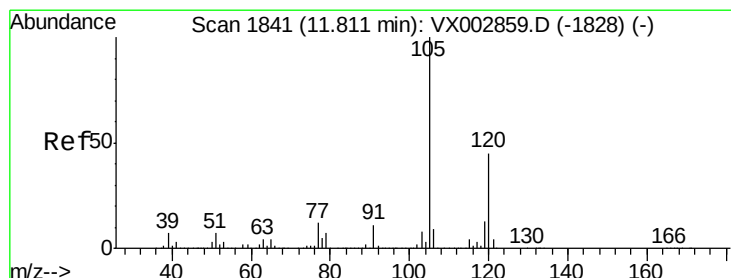
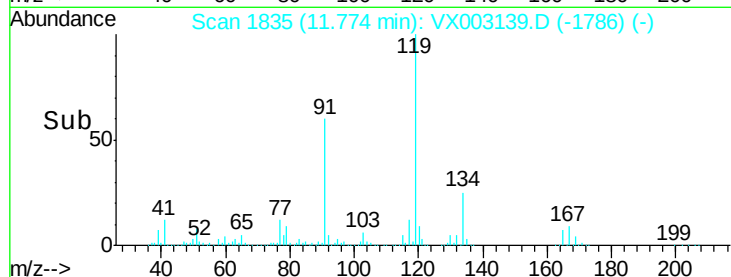
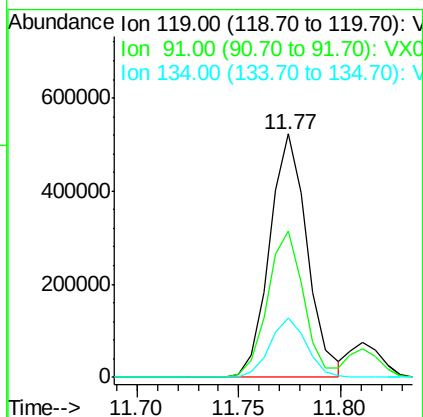
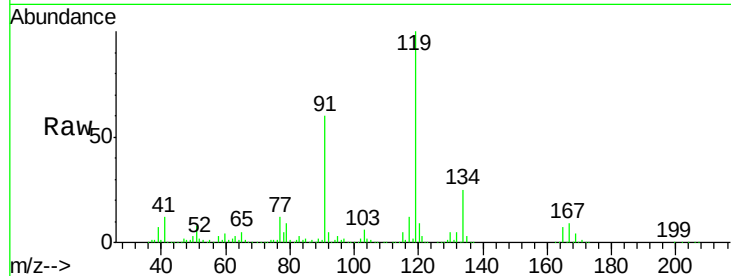
#83
 tert-Butylbenzene
 Concen: 50.24 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.3	30.3	90.9
134	23.8	11.7	35.1

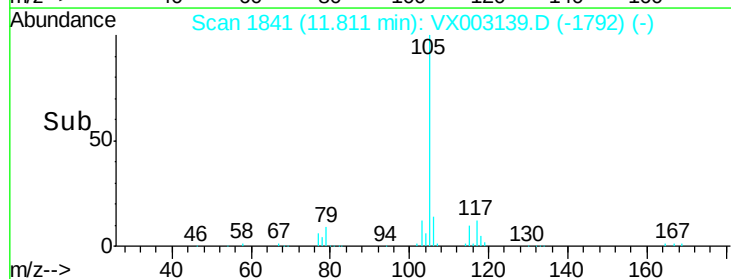
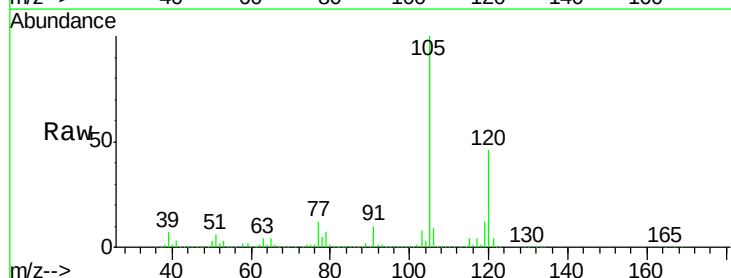
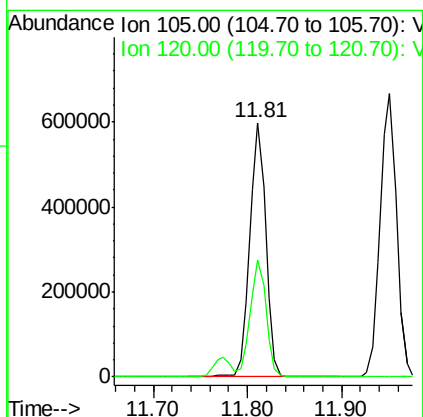
Manual Integrations
 APPROVED

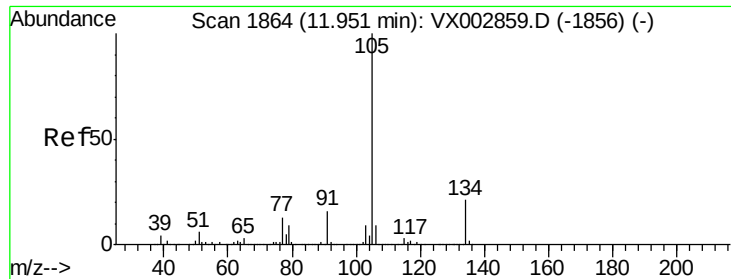
sam
 7/3/2018 3:54:09 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.93 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.3	66.8





#85

sec-Butylbenzene

Concen: 49.96 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 809419

Ion Ratio Lower Upper

105 100

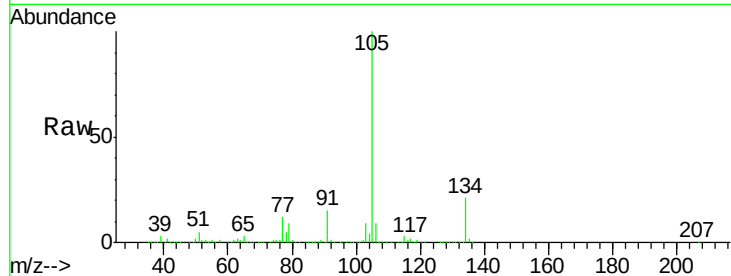
134 21.0 10.4 31.1

Manual Integrations

APPROVED

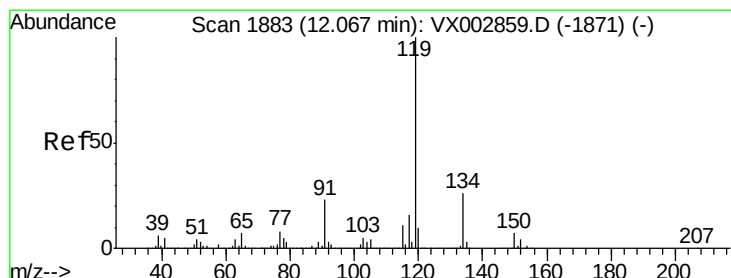
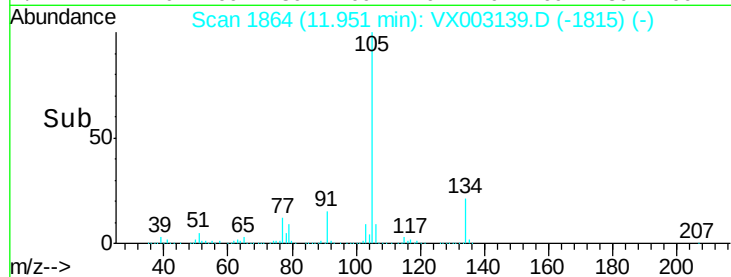
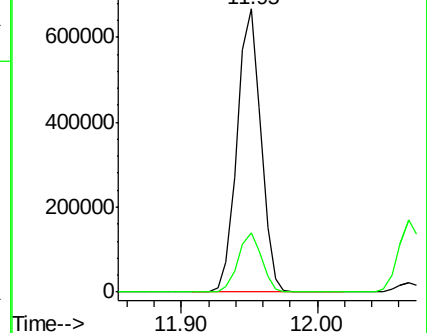
sam

7/3/2018 3:54:09 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.50 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

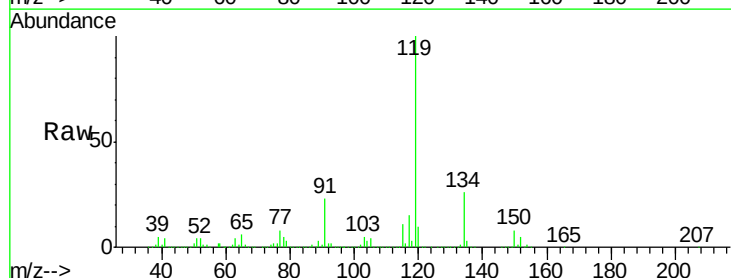
Tgt Ion:119 Resp: 735615

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

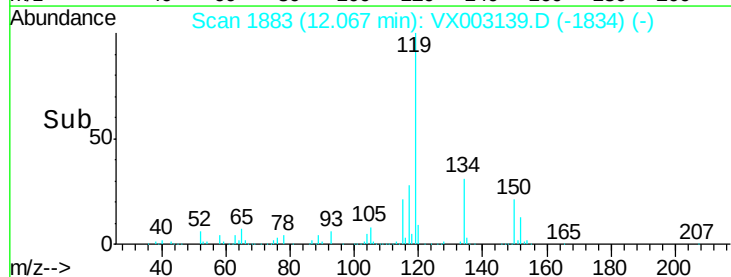
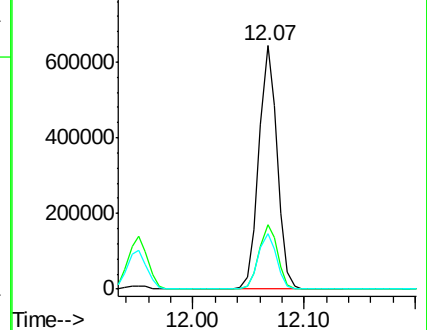
91 22.9 11.9 35.7

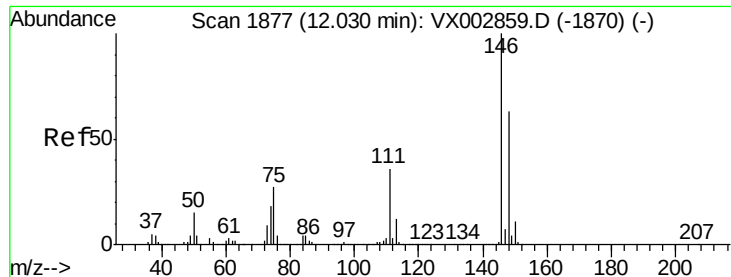


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





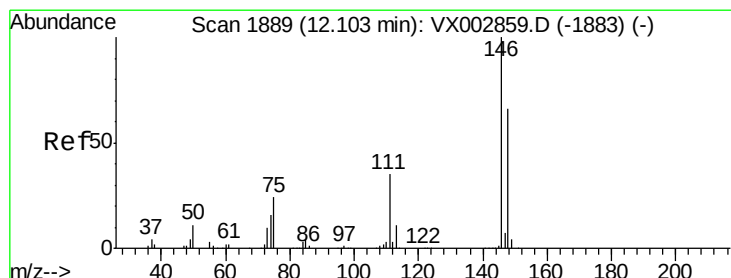
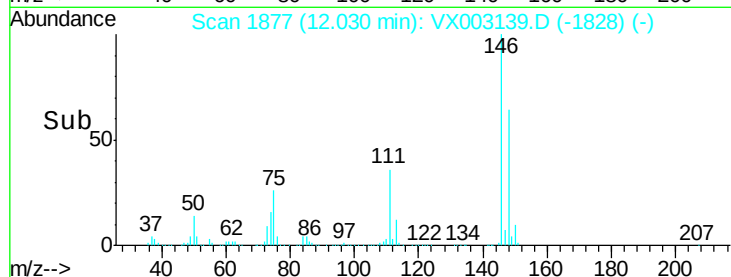
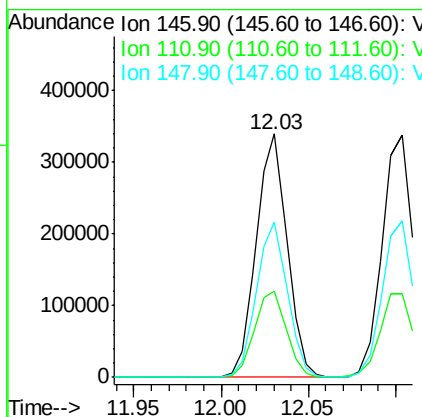
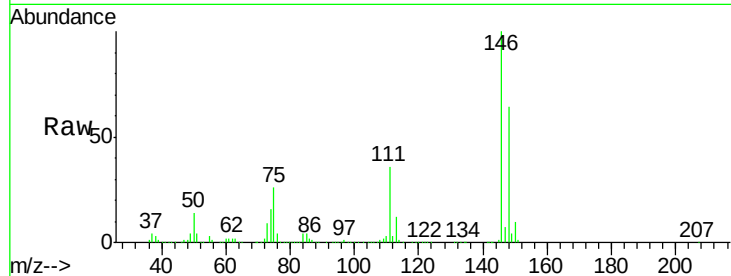
#87
 1,3-Dichlorobenzene
 Concen: 49.86 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.9	56.7
148	63.6	32.1	96.3

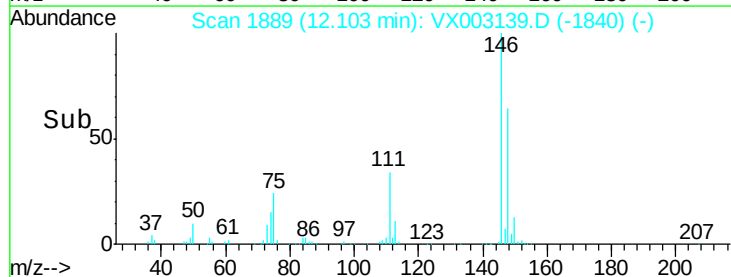
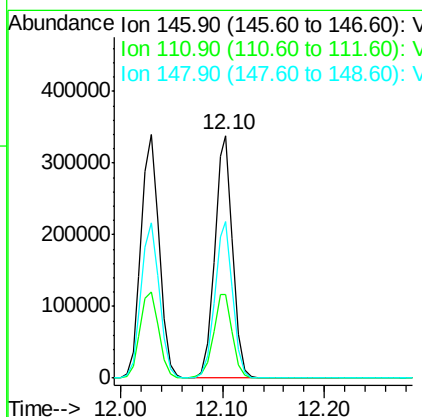
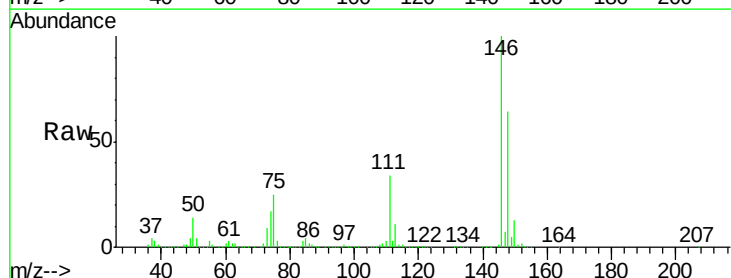
Manual Integrations
 APPROVED

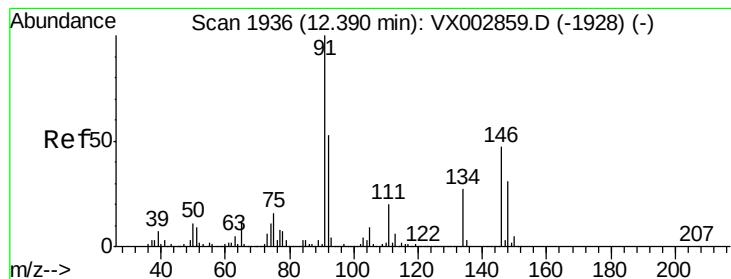
sam
 7/3/2018 3:54:09 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.46 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.7	56.1
148	64.5	32.4	97.0





#89

n-Butylbenzene

Concen: 48.10 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

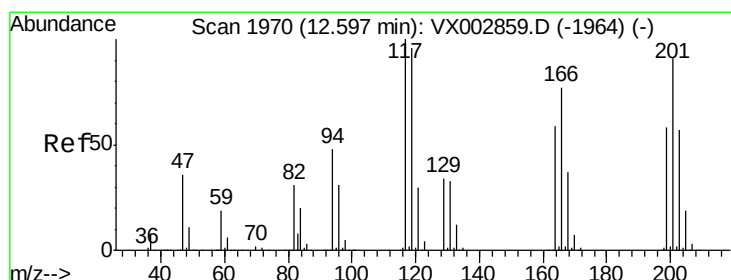
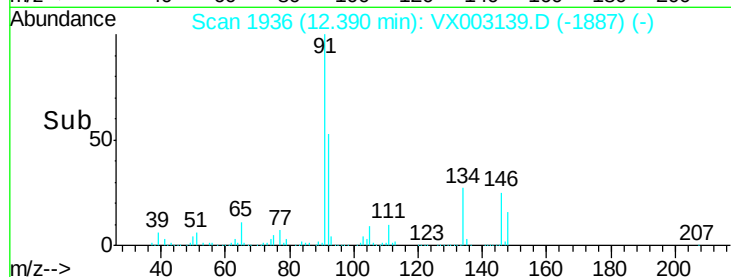
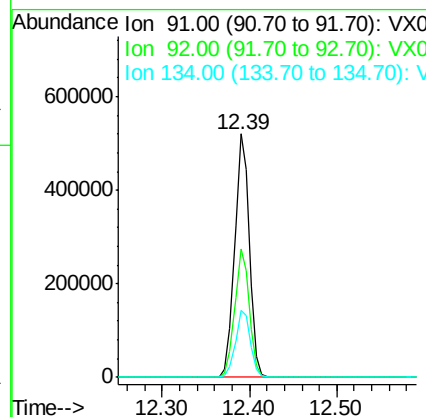
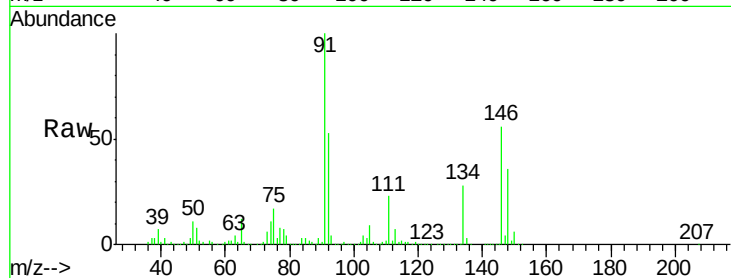
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	609842
Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	28.1	13.5	40.5

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



#90

Hexachloroethane

Concen: 54.10 ug/l

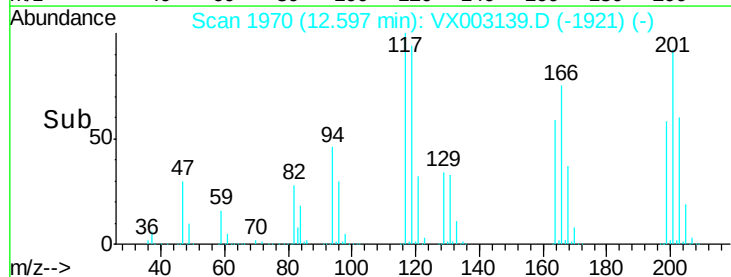
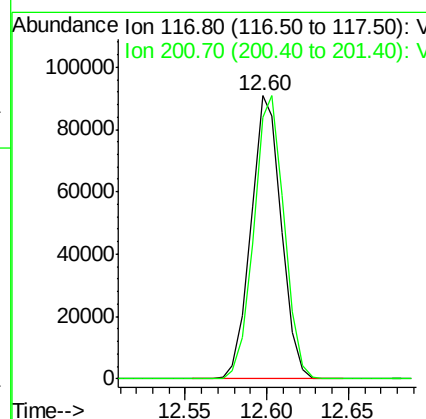
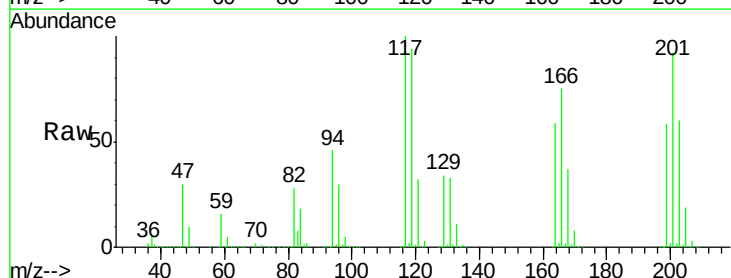
RT: 12.60 min Scan# 1970

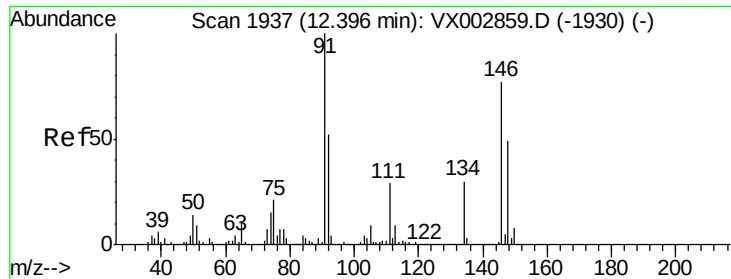
Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion:	117	Resp:	117223
Ion	Ratio	Lower	Upper
117	100		
201	99.7	49.0	147.0





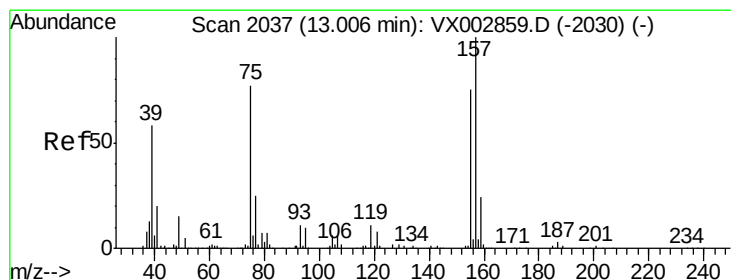
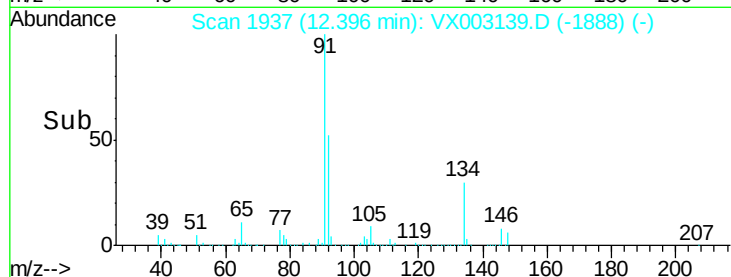
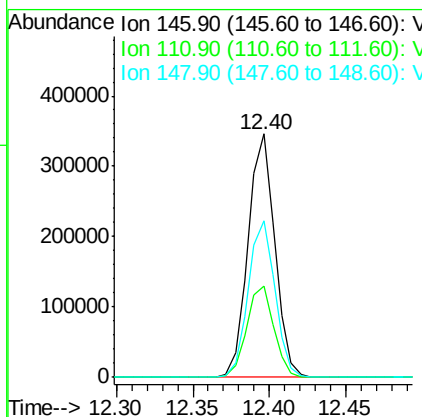
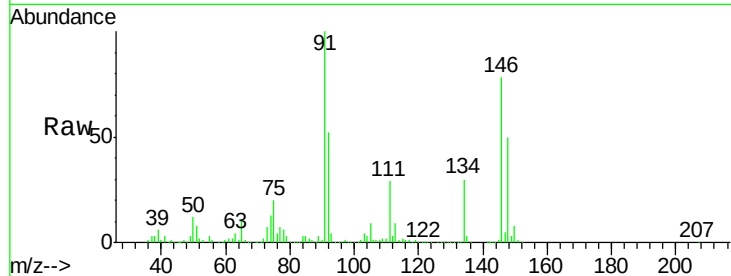
#91
1,2-Dichlorobenzene
Concen: 49.68 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.1
148	64.5	31.7	95.1

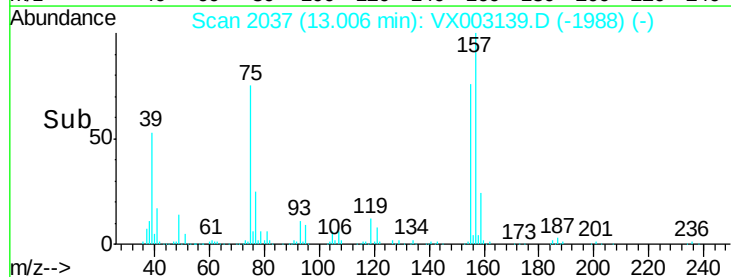
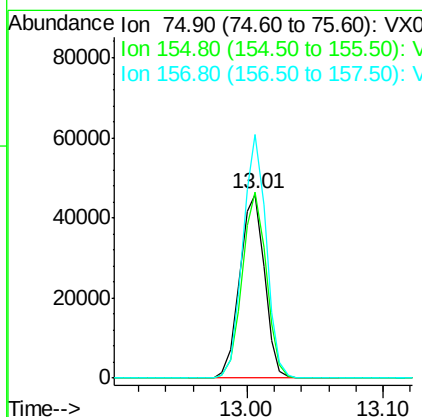
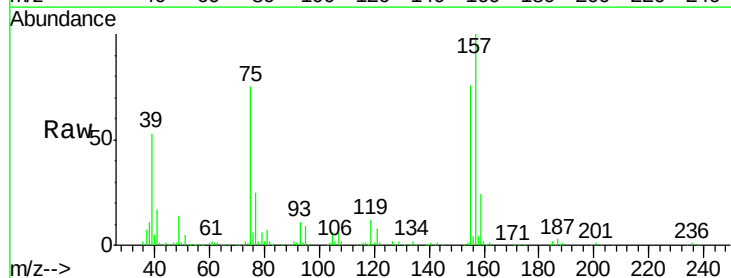
Manual Integrations
APPROVED

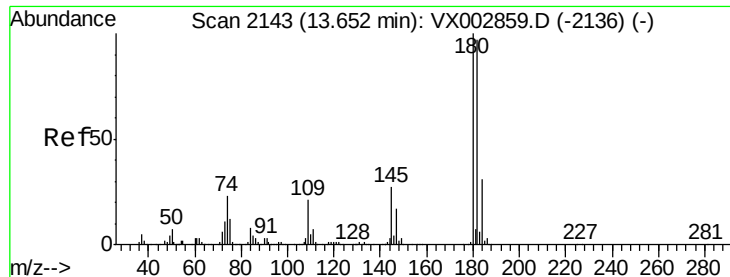
sam
7/3/2018 3:54:09 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 52.20 ug/l
RT: 13.01 min Scan# 2037
Delta R.T. -0.00 min
Lab File: VX003139.D
Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	45.8	137.4
157	125.2	60.1	180.3





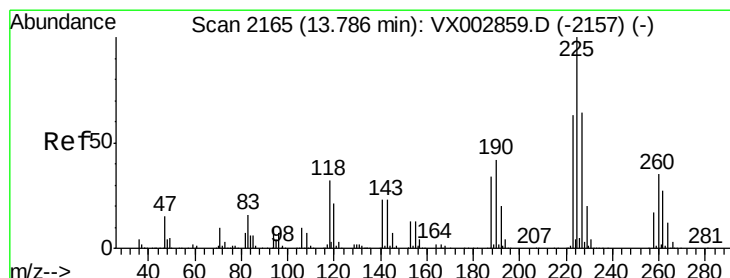
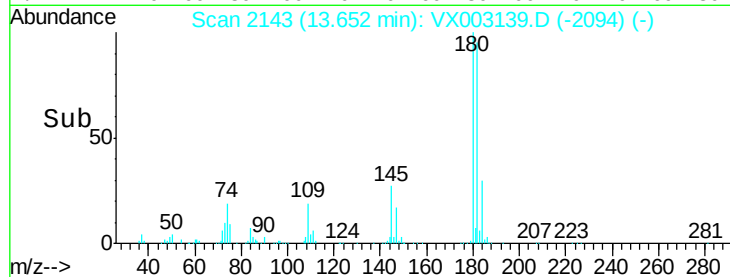
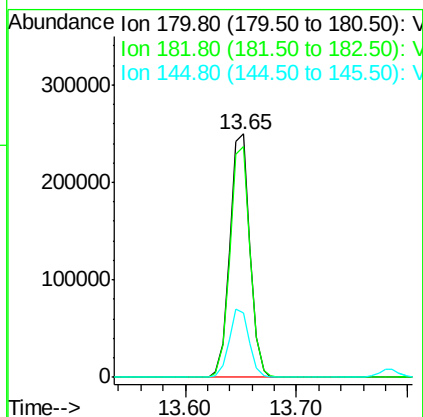
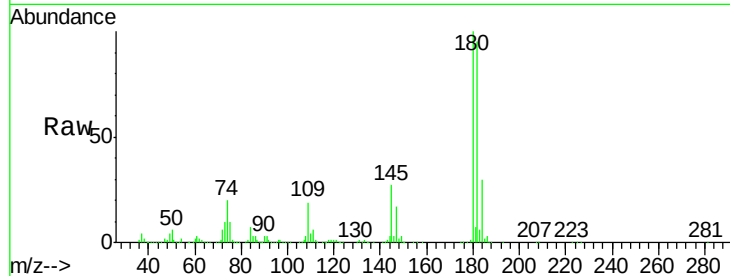
#93
 1,2,4-Trichlorobenzene
 Concen: 50.10 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.7	143.1	
145	27.9	14.1	42.4	

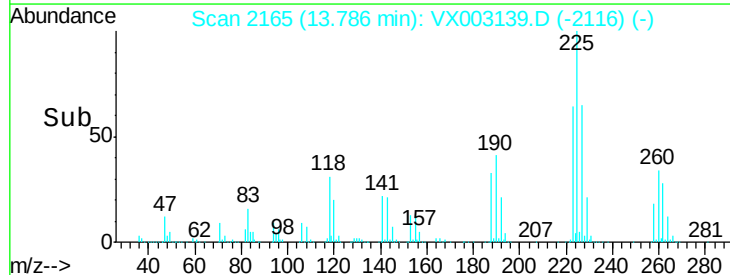
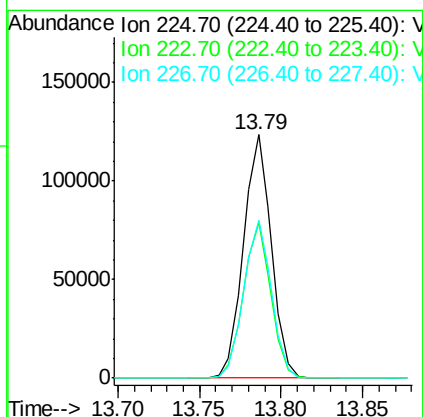
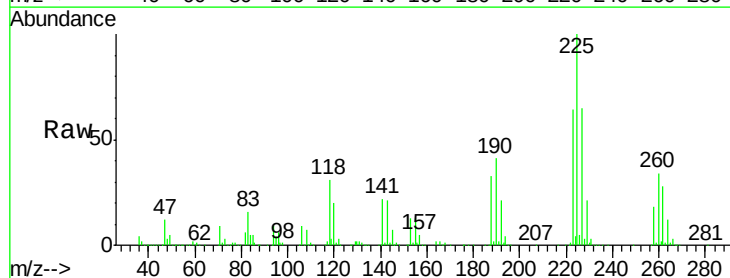
Manual Integrations
 APPROVED

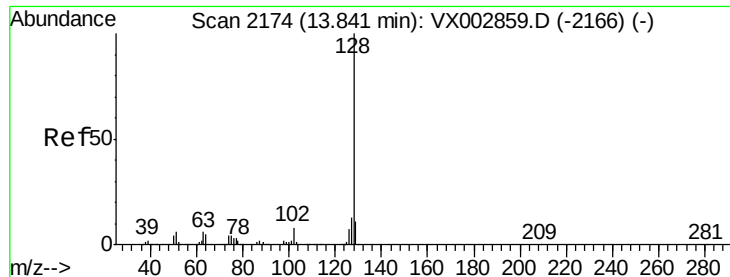
sam
 7/3/2018 3:54:09 PM



#94
 Hexachlorobutadiene
 Concen: 47.89 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003139.D
 Acq: 02 Jul 2018 20:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.6	95.0	
227	64.5	32.4	97.2	





#95

Naphthalene

Concen: 53.63 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Instrument :

MSVOA_X

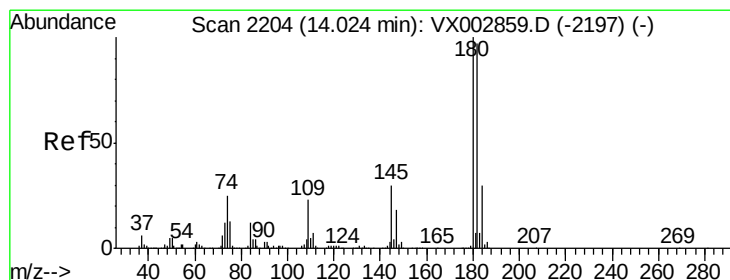
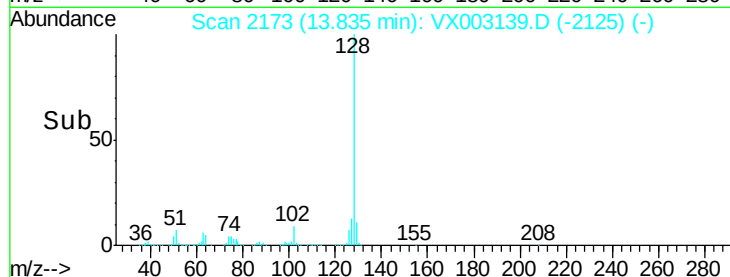
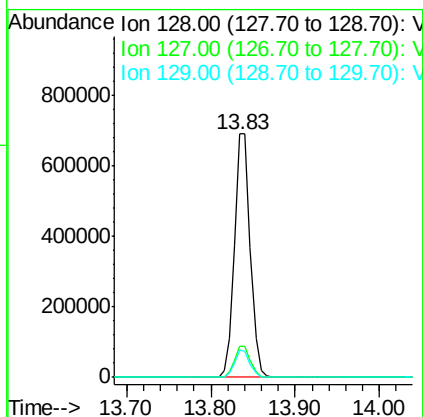
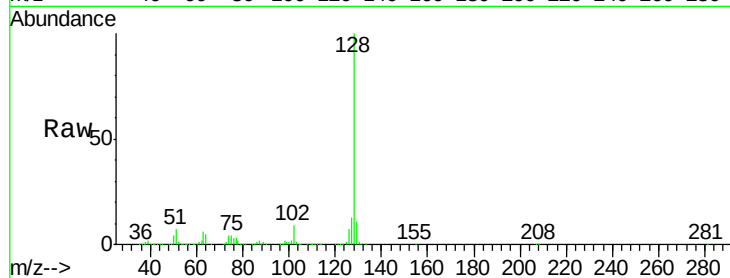
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	878061
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

sam
7/3/2018 3:54:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.36 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX003139.D

Acq: 02 Jul 2018 20:38

Tgt Ion:	180	Resp:	315347
Ion Ratio	Lower	Upper	
180	100		
182	96.5	48.0	144.0
145	29.3	14.8	44.3

